

JULY 1984

FOR THE CLICK-WITTED

\$1.75

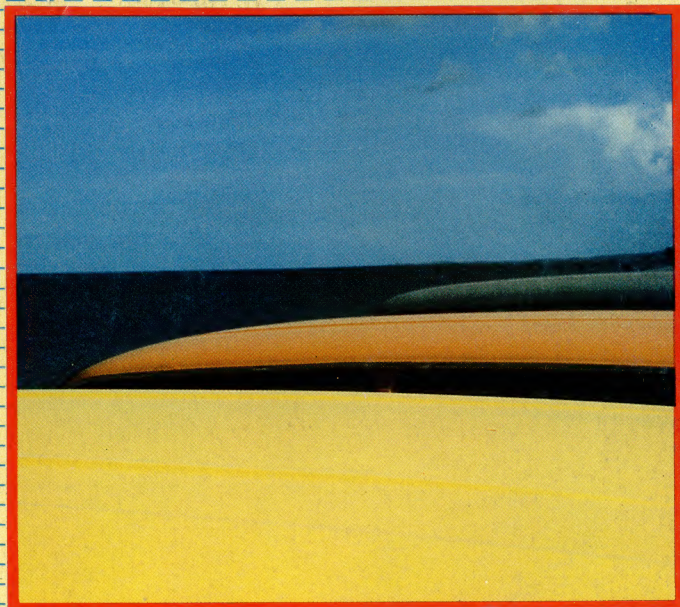
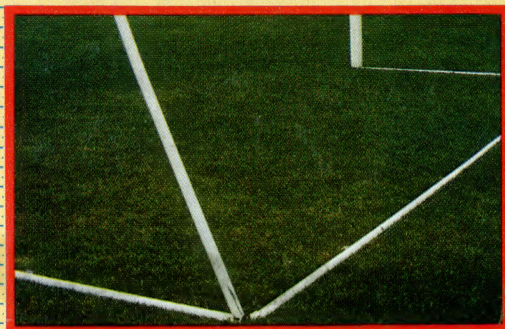
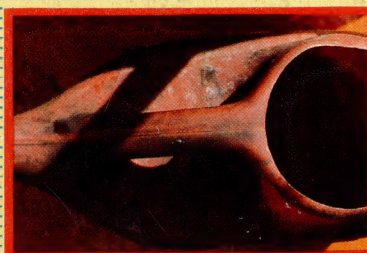
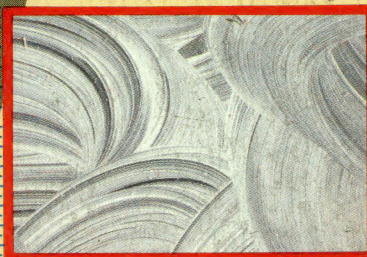
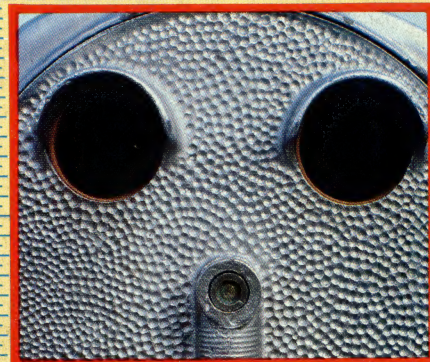
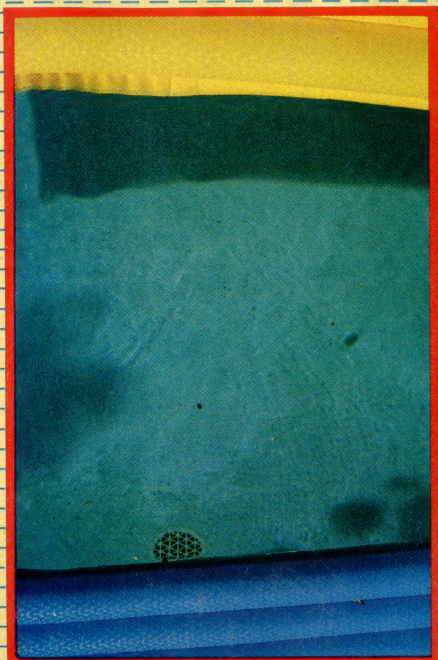
02811

WIN  
A JVC VCR AND  
VIDEO CAMERA  
EYEBALL BENDERS CONTEST PAGE 4

# GAMES

WHAT ARE THESE OBJECTS?  
ANSWERS, PAGE 68

*Snap  
Judgments*





# CAMEL LIGHTS

It's a whole new world.



Today's  
Camel Lights,  
unexpectedly mild.

9 mg. "tar", 0.8 mg. nicotine av. per cigarette by FTC method.

Warning: The Surgeon General Has Determined  
That Cigarette Smoking Is Dangerous to Your Health.



# We're looking for people to write children's books

Writing for children is the perfect way to take up writing, says the author of 53 children's books. Your ideas come right out of your own experience. And while it's still a challenge, it's probably the straightest possible line between you and publication — if you're qualified to seek the success this rewarding field offers.

By Alvin Tresselt, Dean of Faculty

**I**F you want to write and get published, I can't think of a better way to do it than writing books and stories for children and teenagers. Ideas flow naturally right out of your own life experience. While it's still a challenge, the odds of getting that first unforgettable check from a juvenile publisher are better than they are from just about any other kind of publisher I know.

Later on, you may get other checks from other publishers. But right now, the object is to begin — to break into print — to learn the feeling of writing and selling your work and seeing your name in type. After that, you can decide if you want your writing to take another direction.

But after 30 years of editing, publishing, and teaching — and 53 books of my own — I can tell you this: You'll go a long way before you discover anything as rewarding as writing for young readers.

Your words will never sound as sweet as they do from the lips of a child reading your books and stories. And the joy of creating books and stories that young people 'really like' is an experience you'll never have anywhere else. (In this age of boob tube illiteracy, convenient morality, and plastic values, do you know of a more important audience?)

## A surprisingly big market

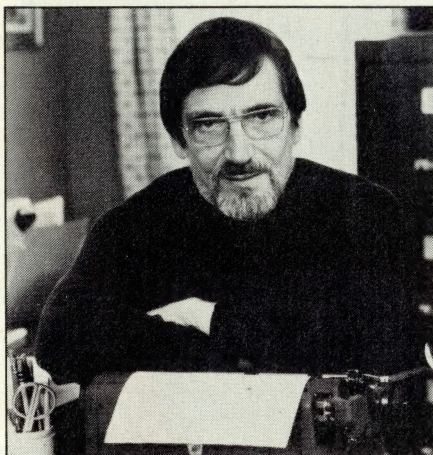
But, that's not all. The financial rewards go far beyond most people's expectations because there's a surprisingly big market out there for writers who are trained to crack it. More than 130 million young people's books are purchased each year. Between 2,000 and 2,500 new titles appear annually and new authors account for as many as half of them.

There are also 250 monthly magazines looking for material for young readers. You can imagine how much writing it takes just to keep them going!

Yet two big questions bedevil nearly every would-be writer: "Am I really qualified?" and "How can I get started?"

## 'Am I really qualified?'

This is our definition of a "qualified person": It's someone with an aptitude for writing who can take constructive criticism, learn from it, and turn it into a professional performance. That's the only kind of person we're looking for. The reasons are simple: Our reputation is built on success, and if prospective students don't have the earmarks of success, we probably can't help them. And we tell them so. It's only fair to both of us.



Alvin Tresselt was Vice President and Executive Editor of Parents' Magazine Press, the first editor of *Humpty Dumpty's Magazine for Children*, and a board member of the Author's Guild. His 53 books for young readers have sold over two million copies.

To help us spot potential authors, we've developed a revealing test for writing aptitude. It's free, and we don't charge for our evaluation. But no one gets into The Institute without passing it. Those who pass and enroll receive our promise: You will complete at least one manuscript ready to submit to a publisher by the time you finish the Course.

## When we teach, you learn

I've learned a lot about writing for children and I love it. Now I'm passing my knowledge on to my students so they can profit from it. When I'm not writing my own books I spend my time at The Institute of Children's Literature, a workshop for writers that does only one thing and does it better than any other educational institution I know of: It trains qualified people to write for the young reader.

This is the way I work with my students, and my fellow instructors — all of whom are experienced writers or editors — work more or less the same way.

When you're ready — at your own time and your own pace — you send your assignment to me and I read it and reread it to get everything out of it you've put into it.

Then I edit your assignment with a red pencil just the way a publishing house editor would — if he had the time. I return it along with a detailed letter explaining my comments. I tell you what your strong points are, what your weaknesses are, and just what you can do to improve. It's a matter of push and pull. You push and I pull and between us both, you learn to write.

## The proof of the pudding

This method really works, I wouldn't spend five minutes at it if it didn't. The proof of the pudding is that many of our students break into print even before they finish the Course. Last year we received hundreds of letters like these from successful students: "Before taking your Course, the short stories I scribbled for my two tiny tots never caught an editor's fancy," writes Emily Burns of Salem, Ore.

"My first sale, to *National Catholic Weekly*,

was a Course lesson. Then I sent another Course assignment to a writer's competition and won first prize of \$400!"

"My instructor's advice was invaluable in plotting, character, motivation, and dialogue. I am most grateful for her personal interest and encouragement. Best of all she helped me understand my own strengths and weaknesses and how to emphasize the first and remedy the second. Better instruction hath no man than this!" Elizabeth Henley, New Cambria, Mo.

## 'Now... I am a writer!'

Marilyn Day of Marissa, Ill. says, "I'm proud of this accomplishment. Now I'm no longer a housewife, I am a writer!"

And Mary Carruth, Dublin, Cal., writes, "I sent out my first article with a prayer and a hope, and it was accepted. Your Course with its structure and support, has been everything I hoped for and needed."

"When I started this Course, I did not really think that I had the ability to write," writes Sister M. Laetitia Mudde, West Haven, Ct., "But my instructor made me believe in myself."

I have a file full of similar letters. People like yourself so full of pride they could easily convince you that indeed it is a pity more people don't take up writing for children.

## Free Writing Aptitude Test offered

To find qualified men and women with an aptitude for writing, the Faculty and Consultants of The Institute have prepared a four-page Writing Aptitude Test. It is offered free and will be professionally evaluated at no cost to you by our staff.

Just mail the coupon below to receive your free Test and 28-page illustrated brochure describing The Institute, our Course, Faculty, and the current market for children's literature. If you demonstrate a true aptitude for writing, you will be eligible to enroll.

But that's entirely up to you.

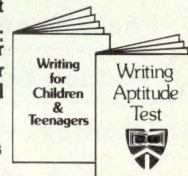
There is no obligation.

**The Institute of Children's Literature  
Redding Ridge, Connecticut 06876**

Dear Mr. Tresselt:

V-35

I am interested in your program to help new writers get started. Please send me your free Writing Aptitude Test and 28-page brochure. I understand I am under no obligation whatever and no salesman will visit.



Mr. Mrs. Ms. Miss

Please circle one and print name clearly

Street

City

State

Zip

Approved by the Connecticut Commissioner of Education



JULY 1984

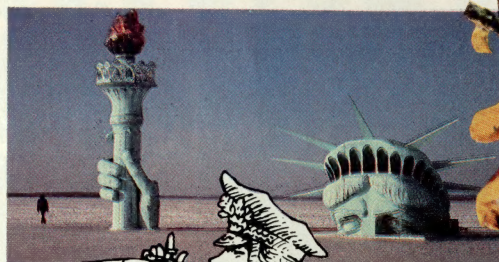
# GAMES

VOL. 8 NO. 7 ISSUE 53

PAGE 22



PAGE 48



PAGE 50

PAGE 25



PAGE 46



PAGE 14

## FEATURES

- 14 Camera Cadabra** For Ingenious Photographers, the Lens Is Quicker Than the Eye *Robert Leighton*
- 20 Secrets of the Amazon** In the Jungle, a Hidden Image Puzzle *Alex Murawski*
- 22 Following Orders** Can You Think as Logically as a Computer? *R. Wayne Schmittberger*
- 46 Plays in the Attic** Call Our Bluff Cleans House *Jeremy Piltdown*
- 48 Company Picnic** Madison Avenue Logos Are on the Loose *Alan Robbins*
- 50 Liberty Belle** How Much Do You Know About the Lady With the Lamp? *Lori Philipson*
- 52 Swish and Morrow** Twin Capturing Games *Christiaan Freeling*
- ?? Find the Fake Ad** Which of the Pitches Is Full of Hitches? *(Answer Drawer, page 68)*

## PENCILWISE

- |                                      |   |                              |
|--------------------------------------|---|------------------------------|
| <b>25</b> Marching Bands             | <b>30</b> "Please . . . Take My Wife!"  | <b>40</b> Double-Croctic     |
| <b>26</b> Costume Party: Word Search | <b>32</b> Dszquphsbnt!                  | <b>41</b> Ornery Crossword   |
| <b>28</b> Chutes and Ladders: Maze   | <b>38</b> Calculex: Solitaire Word Game | <b>44</b> Court Appearances  |
| <b>29</b> Computer Crossword         | <b>39</b> Cryptic Crossword             | ... and other pencil puzzles |

## CONTESTS

- 4 Photo Synthesis** Snap Your Own Eyeball Benders and Win a VCR Plus Camera
- ?? Hidden Contest** If You Can Find It, You Can Win It
- 57 Contest Results** Showdown and Silver Island, from February

## DEPARTMENTS

- |                          |                               |                         |
|--------------------------|-------------------------------|-------------------------|
| <b>5</b> Letters/Laundry | <b>10</b> Logic               | <b>58</b> Wild Cards    |
| <b>5</b> Events          | <b>12</b> Mappit: Square Play | <b>62</b> Answer Drawer |
| <b>8</b> Gamebits        | <b>55</b> Games & Books       | <b>68</b> Eureka        |

Difficulty Rating Smooth Sailing ★

Uphill Climb ★★

Proceed at Your Own Risk ★★★

Mixed Bag ★★

Cover Photographs Hugues Colson



# Win the V.O. Break away Sweepstakes and break away in a sleek '85 Corvette.

## Grand Prize

You'll be king of the road when you break away in this revolutionary new Corvette. Its space-age technology includes a digital readout instrumentation cluster. And with its advanced styling and innovative suspension design, you've got a world-class performance machine.



## 10 First Prizes

Sharp Video Cassette Recorder and Color Camera sets. The portable cassette recorder lets you record for 8 hours. So you can break away while your favorite shows are being taped. And with the video camera, you can break away and make your own entertaining movies.

## 500 Second Prizes

Seagram's V.O. "Weekender" Carry bags. This blue and gold nylon Seagram's V.O. carry bag lets you break away for the weekend in style. It's fit for the gym, too.

## 1000 Third Prizes

Seagram's V.O. Bar Mirrors. You'll be breaking away from ordinary decorations when you hang this great-looking 15" x 20" Seagram's V.O. blue-tinted bar mirror on your wall.



**Seagram's V.O.**

### OFFICIAL RULES

1. On an official entry form, or plain 3" x 5" piece of paper, print your name, address, zip code and the name of the former Governor General of Canada whose name appears on the Seagram's V.O. label. You can obtain this information by looking at any V.O. bottle at your favorite liquor store or bar, or by sending a stamped self-addressed envelope to Seagram's V.O. Label Facsimile Request, P.O. Box 1002, Grand Rapids, MN 55744.
2. Enter as often as you wish, but each entry must be properly completed and mailed in a separate envelope and received by September 15, 1984. Your entry must also include the correct answer to the question on the entry form. Prize-winners will be determined in a witnessed random drawing of entries received by Siebel/Mohr, an independent judging organization whose decisions are final.
3. The Grand Prize winner will receive a standard equipped 1985 Corvette. All prizewinners will be notified by mail. Prizes are nontransferable and nonredeemable. Taxes are the sole responsibility of the prizewinners.
4. Prizewinners must be of legal drinking age under the laws of their home states. Only one prize per family or household. The odds of winning will be determined by the number of entries received. All prizes, valued at \$55,000, will be awarded.
5. Sweepstakes open to residents of the continental U.S., Hawaii and Alaska. Employees of Seagram Distillers Co. and their families, its affiliates and subsidiary companies, liquor wholesalers and retailers, advertising agencies and judging organization are not eligible. Sweepstakes void in Ohio and Texas and where restricted or prohibited by law. All federal, state and local laws apply. Prizewinners are required to execute an affidavit of eligibility and release, including publicity rights to use names and pictures of winners without compensation.
6. A list of major prizewinners may be obtained by sending a stamped, self-addressed envelope to V.O. "Break away" Sweepstakes Winners List, P.O. Box 1025, Grand Rapids, MN 55744.



### Seagram's V.O. "Break away" Sweepstakes Official Entry Form

Mail To: Seagram's V.O. "Break away" Sweepstakes  
P.O. Box 1034, Grand Rapids, MN 55744.

I have read the sweepstakes rules and would like to enter the Seagram's V.O. "Break away" Sweepstakes.

I certify that I am of legal drinking age in my home state.

To enter the sweepstakes, take a look at any V.O. label. You can see that V.O. is distilled, aged, blended and bottled under the supervision of the Canadian Government. But every label also includes the name of Canada's former Governor General. What is his name?

ANSWER \_\_\_\_\_

Name \_\_\_\_\_ Age \_\_\_\_\_ Sex \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

NO PURCHASE NECESSARY



# CONTEST ★★

**Grand Prize**  
A JVC VCR and video camera  
**10 Runner-Up Prizes**  
A GAMES T-shirt

## GRAB A CAMERA AND CREATE YOUR OWN EYEBALL BENDERS

### Photo Synthesis



**A** close-up of an elephant's eye. The inside of a blender. A shadow cast by a parking meter. The underside of a starfish.

In seven years of publishing, **GAMES** has presented eccentric, surprising, beguiling views of these and hundreds of other objects, offering them to keen-eyed readers as Eyeball Benders. The puzzle, for both photographer and solver: how to see a common object in a new way.

Now the challenge is to photograph your own Eyeball Benders. Hit us with your best shots. Any object will do (though we've seen more than our share of matchbooks, pencils, and can-taloupes). Zoom in on it. Catch its shadow. Get underneath it. Climb inside it. Whatever the object, make us see it in a fresh way, as photographer Hugues Colson has done with the pictures here and on this month's cover. Can you identify them? *Answer Drawer, page 68*

**How to enter** Send as many pictures as you wish: 35mm transparencies or black-and-white prints (4 x 5 or larger) are best, but Polaroid prints and other snapshots will be considered if they are sharp and of reproduction quality.

Make sure your name and address—and the answer—appear on every slide or print (*not* on a separate sheet of paper). Entries will be judged for originality and for puzzle value; the image should stump us, but not be so abstract or obscure that it's impossible to "see" once the answer is known. We'll print the best in a future issue. All entries become the property of **GAMES**, and none can be returned. As always, the decision of the judges will be final.

**Mail entries to: Photo Synthesis, GAMES Magazine, 515 Madison Ave., New York, NY 10022. All entries must be received no later than October 15, 1984.**

## GAMES

**Editor** Jacqueline Damian  
**Senior Editors** R. Wayne Schmittberger, Will Shortz  
**Associate Editor** Curtis Slepian  
**Editorial Administrator** Georgianna Dwight  
**Assistant Editors** Robert Leighton, Lori Philipson, Mike Shenk, Stephanie A. Spadaccini  
**Assistant to the Editor** Patricia McCabe  
**Editorial Assistants** Suzanne Gardner, Toni Green  
**Contributing Editors** Jamie Adams, Emily Cox, Bernie De Koven, Roger Dionne, Henry Hook, Andy Meisler, Marvin Miller, Henry Rathvon, Merl Reagle, Gloria Rosenthal, Sid Sackson, Joe Schick, Mary Ellen Slate  
**Copy Editor** Burt Hochberg  
**Editor-at-Large** Ronnie Shushan

**Design Director** Don Wright  
**Associate Art Directors** David Herbeck, Barry Simon  
**Art Associate** Kathy Kesting  
**Picture Researcher** Debra Kagan-Chevat  
**Layout Artists** Todd Betterley, Carole Popolo, Laura Walworth  
**Contributing Artists and Photographers** Stan Fellerman, Sandra Forrest, Mark Mazut, Ken Robbins, Walter Wick

**Production Director** Martha Weber  
**Editorial Production Manager** Sarah Scrymser  
**Advertising Production Manager** Michael Arpino  
**Typesetter** Kathy Lum  
**Production Assistant** Jane Greenberg

**Publisher** Jerry Calabrese  
**Business Manager** Ben Wolman  
**Operations Manager** Sam Ananian  
**Assistant to the Publisher** Jan Elstun  
**Promotion Consultant** Troy Davis  
**Office Services Assistant** Joseph J. McCabe  
**Receptionist** Cheryl Page

**Advertising Director** Paula Fierman  
**Account Executives: New York** Joe Failla, Marilyn Matty, Shelia Phillips, Paul J. Roberts, Tracey Wilen  
**Midwest** Norm Kamikow, **Los Angeles** Bob Sperling, Rhen Pixlee, **San Francisco** Bob von der Lieth, Tom Jones, **Detroit** Wayne Lawrie,  
**Game Industry** Roy L. DeVries  
**Promotion Manager** A. Mimi Anderson  
**Administrative Assistant** Linda Verdun  
**Advertising Assistant** Francine Malara

**Marketing Director** Alan Inglis  
**Subscription Manager** Cathy Woll  
**Circulation Fulfillment Manager** Colleen Ryan  
**Fulfillment Coordinator** Yvette Watts  
**Subscription Promotion Assistant** Will Marks  
**Newsstand Sales Director** Stan Budner

**PLAYBOY ENTERPRISES, INC.**  
**Chairman** Hugh M. Hefner  
**President** Christie Hefner  
**Senior Vice President** Nat Lehrman

**Subscription Rate:** 1 yr. \$15.97, 2 yrs. \$22.97 in the U.S. and possessions. In Canada and other countries add \$3.00 per 1 yr. sub. **Back Issues:** \$3.50 (1977-8) or \$2.50 per copy from **GAMES**, BACK ISSUES, 515 Madison Ave., NY, NY 10022. Specify cover-months and year. (The first issue was dated Sept./Oct. 77.)

**Editorial Correspondence:** The Editor, **GAMES**, 515 Madison Ave., NY, NY 10022. All manuscripts, photographs, and artwork must be accompanied by return postage and are submitted at sender's risk. Material sent in response to any invitation in this issue becomes the sole property of **GAMES** and may be published or otherwise disposed of at the discretion of **GAMES** without further notice. Contests are void where prohibited or restricted by law and are closed to regular contributors and to employees of Playboy Enterprises, Inc., and their families. It is not necessary to buy **GAMES** to enter its contests. For a copy of contests in this issue, send SASE to **GAMES**, c/o Contest Copies. The decision of the judges is final in all contests. Taxes on prizes are sole responsibility of winners. **GAMES** and its designers reserve the right to take and use names and photographs of winners for promotion and advertising.

**Advertising Correspondence:** **GAMES**, 515 Madison Ave., NY, NY 10022, 212-421-5984—Perkins, Sperling, von der Lieth & Jones, Inc., 4311 Wilshire Blvd., Suite 614, Los Angeles, CA 90010, 213-934-6600; 417 Montgomery St., San Francisco, CA 94104, 415-434-2675—Kamikow & Co., 233 East Wacker Dr., Chicago, Ill. 60601, 312-565-4979. Sales Motivating Associates, 19075 West Ten Mile Rd., Southfield, Mich. 48075 (313) 352-8333. **GAMES** reserves the right to make independent judgment as to the acceptability of advertising copy and illustrations. Advertisers and agencies assume liability for claims arising from the content of their ads.

**To Subscribe or Renew:** **GAMES**, P.O. Box 10145, Des Moines, IA 50340. **Subscription Problems:** Delores Valdez, P.O. Box 10146, Des Moines, IA 50340, or call toll free (800)-247-5470. **To Change Address:** **GAMES**, P.O. Box 10148, Des Moines, IA 50340. Please allow 6 weeks for change of address. The date of the last issue of your sub. is on the upper right corner of the mailing label. Attach that label when writing about service, renewal, or change of address.

Reference to a product name without its trademark status is not meant to suggest lack of trademark rights in that name.



# LETTERS

## Envelope of the Month



Carole Harden  
Webberville, MI

## Cover-Up?

The April cover showed a "typical" college dorm room and asked the question "What's Wrong With This Picture?" I'll tell you what's wrong—the textbooks are open, the copy of GAMES is closed, and the guy's got his back to the TV! What kind of college dorm do you call that?

Mitchell H. Allen  
Washington, PA

In "A Connoisseur's Guide to Practical Jokes" (April, page 18), author Martin Gardner says there is "no reliable evidence" that anyone has ever built an upside-down room like the one featured on the cover. However, in Savannah, Georgia, a builder constructed an entire upside-down house—the roof was on the ground, the porch in the air, and all the inside furnishings were stuck to the "ceiling"!

Jim Ryan  
Savannah, GA

*A spokesperson for Fred Williams Construction tells us that the house was recently turned right-side up and is now being lived in.—Ed.*

## Let 'Er Rip

"The Rip Van Winkle Quiz" (May, page 22), testing 20 years' worth of trivia, brought back plenty of memories, and I'd like to share one with you. I was parked by the reservoir with my girl, listening to the car radio, when I first heard it: a song called "Rip Van Winkle," sung by the Devotions. It made the Top 40 for only one week—in April of 1964—exactly 20 years before your quiz arrived in my mailbox.

Robert Paulson  
Merrick, NY

## Easy As ABC

Since my initials are A. B. C., your puzzle "From A to Z (and Back)" (May, page 32) quickly caught my eye. The puzzle was to describe pictured scenes with words whose initials were in alphabetical order. I solved it easily, and now I can boast that "Allen B. Charnow Decoded Every Figure GAMES Had Inside" (A-B-C-D-E-F-G-H-I!).

Allen B. Charnow  
Flint, MI

## Postage Due

We were delighted to read your article on play-by-mail game companies ("Mail Wars," May, page 14)—and pleased that you are covering this area of gaming. However, we were surprised that our company was not mentioned. Superior Simulations, creator of Emyrean Challenge and its stepchild, Maxi-Challenge, has been around since 1978 and has many enthusiastic players here and abroad. All those interested can contact us at P.O. Box 505, Fairfield, ID 83327.

Linda Holford  
Vice President  
Superior Simulations

## No Show

While brooding over "Showdown," the solitaire poker contest (February, page 47), I devised a surefire method of winning: programming my personal computer to try every possible solution till it finds the ideal one. Unfortunately, my answer will not be ready in time for the contest deadline, because the program will take about  $2.6 \times 10^{28}$  years to run.

Erik Olson  
Woodland Hills, CA

*If true, that's 26 octillion years (26 followed by 27 zeros)—roughly one-and-a-half quintillion times the age of the universe. Sorry, but we decided not to wait. For more timely "Showdown" results, see page 57.—Ed.*

## The Real Murder Ink

The May 1984 issue contained a puzzle entitled "Murder, Ink," in which the scrutiny of different artists' styles was the key to a murder mystery. May I please remind you and your readers that Murder Ink is the name of one of New York's finest mystery book stores, and that its name is a registered trademark. As such, it is not available for general use.

Adriane G. Berg  
for Murder Ink  
New York, NY

# LAUNDRY

*If a reader finds a significant error of fact or a mistake that affects the play of a game, and if we agree the slip needs to be laundered, we'll print the first or best letter and send the writer a GAMES T-shirt.*

## Mistakes: April

★ The "Elastic Aptitude Test" (page 24) includes a quote attributed to John Milton: "This world's no blot for us, nor blank . . ." Actually, the quote is from Robert Browning's poem "Fra Lippo Lippi."

Dennis Gartner  
Frostburg, MD

# EVENTS

*If you plan to attend any of these events, write or call to check entry fees, dates, sites, eligibility, etc. Include a stamped, self-addressed envelope with your request. If you know of other events suitable for this column, write to Events, c/o GAMES.*

**Adventure Gaming** The Dungeons and Dragons Adventure Game Camp, at Shippensburg University in Pennsylvania, offers sessions July 8–13 and 15–20 for students aged 10–17 looking for a challenge or just a few pointers. The university pool, tennis courts, and golf course will be open to all who register. Boarders pay \$175; commuters \$105. Contact: Director of Conferences, HH 331, Shippensburg University, Shippensburg, PA 17257.

**Chess** Spectators are welcome at two invitational championships this month:

- Top American players will battle at the U.S. Championship, in Berkeley, California, July 8–29, with the winner and first two runners-up qualifying for world championship competition. Contact: U.S. Chess Federation, 186 Route 9W, New Windsor, NY 12550, or call (914) 562-8350.

- The country's highest-rated female players will compete July 14–29, at the U.S. Women's Championship, held in Berkeley, California: Women's World Championship qualification is earned by the winner and first runner-up. Contact: U.S. Chess Federation (address above).

**Juggling** Contestants at the 37th Annual International Jugglers' Convention, July 17–22 at the Showboat Hotel in Las Vegas, receive a package deal including rates, room, and board if registered by June 12. Two high points are individual juggling acts and jogging (jogging while juggling). Contact: International Jugglers Association, Box 29, Kenmore, NY 14217.

**Pillow Fighting** The feathers will fly as contestants at The 18th Annual Pillow Fighting Championship assault one another while astride a pipe just above a pit of vintage mud (imported from the Sonoma Valley). The action takes place July 4 in Kenwood, California. Trophies go to winners. Contact: Kenwood Firemen's Association, Box 249, Kenwood, CA 95452, or call (707) 833-2042.

**Surf and Turf** Land and aquatic events at the Seafair, in Seattle July 14–August 5, include a milk-carton boat race, a sailboard race, a triathlon, the 711 Freedom Cup (professional hydroplane racing) and the Million Dollar Hole-in-One Golf Tournament (\$1,000,000 to anyone who shoots a hole-in-one at the finals). Contact: Seafair, 901 Occidental South, Seattle, WA 98134.

**Turtle Racing** Turtles race neck-and-neck at The 43rd Annual Chesapeake Turtle Derby, July 11 in Baltimore. Owners must bring turtles at least 3½ inches wide or long. Trophies and ribbons go to all winners, even those who win by a hare. Contact: Turtle Central, c/o Mayor's Office of Adventure and Fun, 100 Holiday Street, Baltimore, MD 21202.





ELEVEN THINGS  
YOU CAN DO  
ON THE VERY FIRST DAY.



Your first day with *PCjr* isn't just exciting.

It's rewarding.

This IBM® personal computer quickly hooks up to the family TV. And there's a lot you can do right from the start.

## PCjr MAKES IT EASY

*PCjr* was designed to make the whole family feel at home with computers.

The keyboard, for example, doesn't need a connecting cord. This refreshing bit of technology — the IBM "Freeboard" — frees you to get comfortable up to twenty feet away.

And the keys are color-coded, so even a beginner can find the right key for the right job.

Right away.

## YOU'RE OFF AND RUNNING

You can start using *PCjr* as soon as you set it up. The Sampler Diskette (included with diskette-drive models) gives you eleven useful mini-programs to choose from.

Including:

A home spreadsheet to help keep your expenses in line.

An electronic address book to help you sort out who's who and who's where.

A home loan calculator that can tell you interesting things about your principal.

An easy-access file for recipes. A checkbook balancer. And a challenging word game.

Of course, the Sampler Diskette is merely a taste of what you can do with *PCjr*. You can buy easy-to-follow programs to help you write letters, plan your finances, educate the kids, file tax data — to help the whole family use its time to better advantage.

Plus, *PCjr* runs many of the IBM Personal Computer programs that run on the IBM PC and PC/XT. So you can finish at

home what you start at the office, and vice versa.

And when it's time to relax, *PCjr* is always game. Plug in an entertainment cartridge and let the fun begin.

## A COMPUTER THAT CAN GROW WITH YOU

*PCjr* is the most affordable of the IBM personal computers.

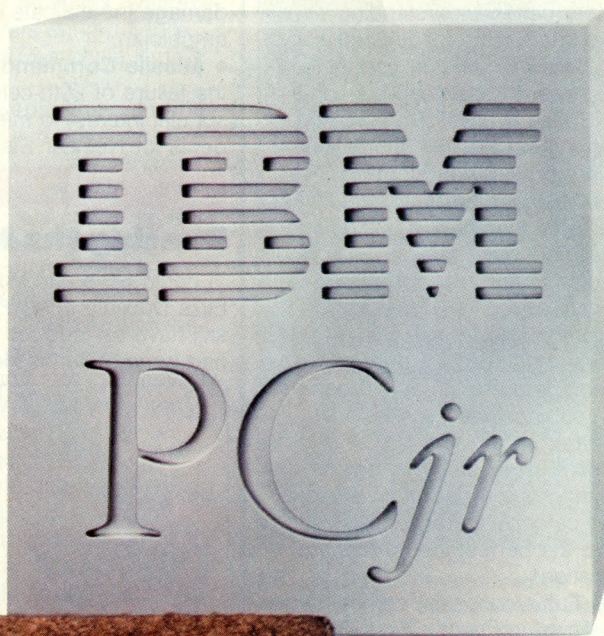
You can start with the 128KB model, equipped with a diskette drive, for about \$1300. Or the 64KB base model, for about \$700. (Prices apply at IBM Product Centers, and may vary at other stores.)

And as your needs become more sophisticated, *PCjr* can easily keep pace. With add-it-yourself options like a printer, diskette drive and internal modem for telecommunications, even the lowest-priced model can grow up fast.

Visit an authorized IBM *PCjr* dealer or IBM Product Center and see all the things *PCjr* can do. For the location nearest you, call 1-800-IBM-PCJR. In Alaska and Hawaii, 1-800-447-0890.



- |                     |                         |
|---------------------|-------------------------|
| 1. Home Loan        | 8. Alarm Clock          |
| 2. Monthly Expenses | 9. Checkbook            |
| 3. Word Race        | 10. Address Book        |
| 4. Shopping List    | 11. Telephone Connector |
| 5. Recipe File      |                         |
| 6. Tile Game        |                         |
| 7. Typewriter       |                         |

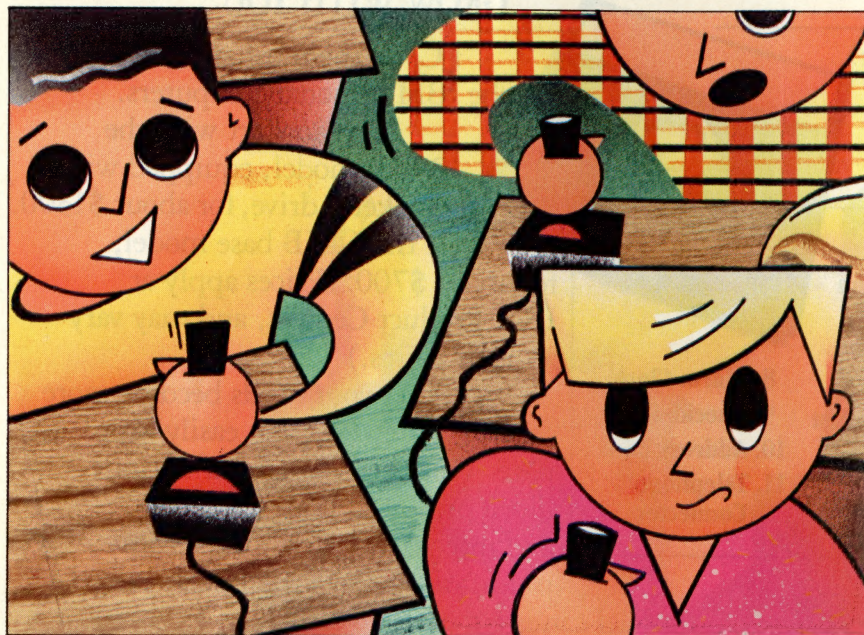




# GAMEBITS

Edited by Curtis Slepian

ILLUSTRATION BY BOB SCOTT



## Video With Class

Who says video games aren't educational? Not the San José, California, school system. Last March, to give students a better understanding of how the Challenger space shuttle works, the sixth, seventh, and eighth grades in seven San José schools played Space Shuttle, an Activision game that simulates the shuttle's launching, orbiting, and landing.

An enthusiastic Aaron Seandel, Associate Superintendent of Instruction for the school district, believes schools need such input "to provide up-to-date information about the real world."

We couldn't agree more. In fact, the pedagogic potential of video games is unlimited. Here are just a few games and the subjects they can help students learn.

- **Congo Bongo** provides a clear understanding of the European exploration and colonization of Africa.
- **Turbo** the perfect tool to teach driver education.
- **Lady Tut** a nonsexist archeological crash course in Egypt's First Dynasty.
- **Front Line** West Point will want to use this game to teach military strategy, particularly the theories of Clausewitz.

- **Centipede** a bug's-eye-view of the field of entomology.
- **Ms. Pac-Man** Students of sociology will learn about the dynamics of a consumer society.
- **Frogger** shows how man and his technology (in this case the auto) can damage the delicate ecosystem of the amphibian.
- **Missile Command** a vivid look at the failure of 20th-century politics, of special interest to members of Students for Nuclear Disarmament.—C. S.

## Dancing the Night Away

"I could have danced all night," sang Eliza Doolittle in *My Fair Lady*, "and still have begged for more." If Eliza had been at Johns Hopkins University

one Friday night last spring, she would have gotten her wish—in a 24-hour Dance Marathon held to raise money for the March of Dimes.

At 9 P.M., 71 students from Hopkins and other Baltimore-area colleges began their hard day's night. With music spun by deejays from radio stations WWIN and WJHU, some just swayed back and forth, others jumped up and down, and a few broke into all-out break dancing.

"I love to dance and thought it would be really neat to dance for 24 hours," beamed Amy Thayer, a senior humanities major, who went the distance.

Another senior, Peter Merrill, arrived in hiking boots and also danced the entire marathon—by himself. "I have an exam and a paper due Monday, and I needed to do something totally stupid. Besides, it's my first time ever to go out dancing."

All the dancers preferred upbeat numbers, especially in the tough, early-morning hours. "Slow ones make you sleepy, and you also notice the pain then," said sophomore Lauri Jackson. Favorite tunes included Bob Seeger's "Old Time Rock and Roll" and, of course, anything by Michael (no relation to Lauri) Jackson.

By Saturday evening, the 21 remaining diehards had shucked their heavy early-marathon attire for T-shirts, shorts, and socks. These sole survivors joined the entire charity staff for the finale, the Funky Chicken.

After 24 hours of dance and sweat, most students wanted only to "take a shower and go to bed." Said finisher Jerry Watson, "I want to go to a movie, but I'll probably only experience it subconsciously." —Patti Lazaro

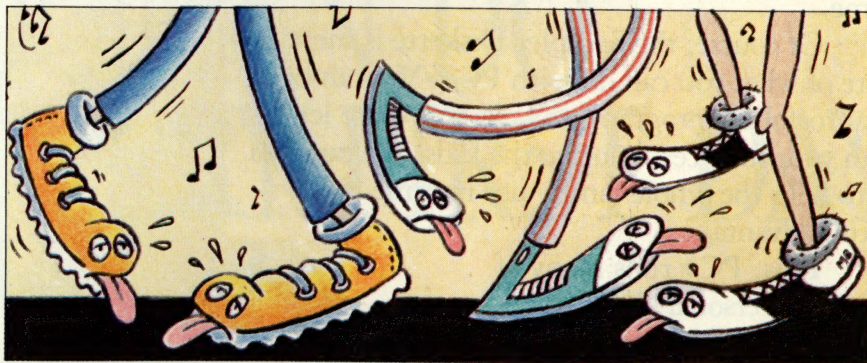


ILLUSTRATION BY MICHAEL BARTOLOZZI



## At Cross Purposes

Last April, New York experienced a unique, nonvehicular kind of gridlock: the first professional meeting of the nation's top crossword editors. The historic gathering, which brought together 30 such masters as Will Weng, Maura Jacobson, and guest-of-honor Margaret Farrar, was occasioned by the 60th anniversary of the first crossword book, published by Simon and Schuster and co-edited by Mrs. Farrar.

After old acquaintances were re-established and much shop talked, Farrar received a plaque and a crossword cake whose inscription, worked into a crossword grid, read, "Margaret Farrar: 60 years of puzzling." Farrar took one look at the cake and said in mock astonishment, "It has unkeyed letters" (a taboo in American crosswords).

The evening culminated in (what else?) word games. Asked in one to write down the name of a European country least likely to be duplicated by others in the group, a third of the editors demonstrated their fondness for obscurity by choosing Liechtenstein. But the most popular game proved to be a crossword "Believe It or Not" quiz, part of which appears below. Show some true grid and guess which statements are facts and which are fakes.

—C. S.

1. The man who constructed the first crossword puzzle for the London *Times* in 1930 had never constructed or solved a crossword before.
2. On the same day in July 1966, two different crosswords in *The New York Times* and the New York *Herald Tribune* contained the same three 15-letter entries.
3. In 1933 Clara Balegh, of Budapest, Hungary, was declared the world's champion crossword solver. In seven years she had mastered 9,000 puzzles, for which she received more than 1,000 prizes, ranging from cash to a lion cub.
4. The San Francisco *Bulletin* used to sell advertising space in the black squares of its crosswords.
5. In 1954 Princess Margaret won a crossword contest in *Country Life* magazine. "All the royal family are very keen on crosswords," the princess's secretary said, "but this is the first time any one of them has won a puzzle contest."
6. The crossword editor of the London *Daily Telegraph* is the father of rock singer Boy George.

Answer Drawer, page 62



A top polo team needs courage, skill—and a big bucks sponsor.

## Horse Play

Before attending the Rolex Gold Cup, held last spring in Florida, we didn't know much about polo. After attending, we still didn't know much . . . but we did discover how polo differs from most other sports.

For starters, this jet-set sport is usually played within the rarefied confines of a country club. The Rolex tournament, for example, took place at the vast Palm Beach Polo and Country Club, an estate roughly the size of Rhode Island. For another thing, polo spectators never dress down the way baseball's bleacher bums do; at polo matches, gentlemen without cravats are as scarce as ladies in trousers. Nor do vendors in the stands hawk beer and hot dogs. At Rolex, waitresses served boxholders shrimp tidbits, crab fingers, and \$75-a-bottle Krug champagne.

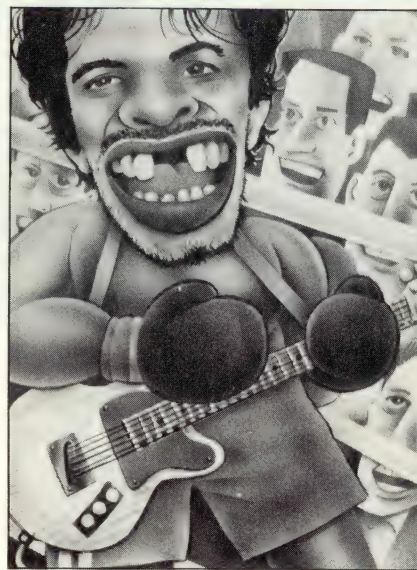
But what really separates polo from sports like hockey and baseball are the ponies (polo horses are *always* called ponies). Unfortunately, maintaining polo ponies is very costly, so top teams typically consist of a wealthy playing sponsor and three hired professionals from countries with polo-playing traditions, usually Argentines, Britons, Mexicans, or Americans.

One such playing patron is Geoffrey Kent of the Rolex-Abercrombie and Kent team. Kent, who looks like a young Lloyd Bridges, has served in the British army and has led safaris in Kenya. But those occupations are wimpy compared to polo, where you sit astride a 1,200-pound horse traveling 30 m.p.h., wielding a 52-inch mallet that propels a ball 90 m.p.h. The game takes its toll, says Kent, in the form of "pulled ligaments in your wrist, dislocated shoulders, and, if the ball hits you, bad bruises. But my

worst injury was when I was knocked totally unconscious after a horse came down on top of me. I woke up in an ambulance asking my wife why I had to wear white britches and polo boots on safari."

Why do talented amateurs like Kent risk injury? "Prestige," he says simply. "Winning is the best part of polo."

Though polo's appeal is currently limited to those in the social register, things might be changing. Upscale tournament sponsors like Cartier and Piaget are now being joined by the likes of Coca Cola and McDonald's. So traditionalists may one day have to swallow the sight of polo fans with a glass of bubbly in one hand and a Big Mac in the other. —Theodore Fischer



No, you haven't overdosed on "People" magazine. This schizophrenic celebrity is from Tom Hachtman's "Double-Takes" (\$3.50, Harmony Books). Can you identify the two celebs combined here, and then name the resulting dual personality?

Answer Drawer, page 62





# A Circle of Friends

The three puzzles here are logically intertwined—as are the lives of the characters they describe—so be forewarned: You'll need to use some information derived from the first two puzzles in order to solve the third.

## THE EARLY YEARS ★

Misty, Stella, and Edda were all born in 1930 in the rural town of Greenlea. They played together as small children, and their friendship grew with the passing years. As young adults—Miss Oast, Miss Underwood, and Miss Woof—they remained in Greenlea and established themselves independently. They were all engaged in different cottage industries (although only one of them actually lived in a cottage) and were proudly self-supporting.

As loyal friends they believed in using their professional talents—cabinet-making, pottery, and weaving—for each other's benefit. Miss Woof built a kitchen cupboard in Stella's bungalow. And among the many hand-wrought gifts they gave to each other were a hand-loomed blanket for Miss Underwood (whose apartment was poorly heated) and a complete set of coffee mugs for Misty.

Identify our heroines by full name and profession, and name the kind of dwelling each one lived in.

## MARRIAGES ★★

As time went on the friends became restless and yearned for less-green pastures. After much discussion and soul-searching, they decided to brave the unknown together. So in 1952 they moved to Middelrode, where they settled into an apartment and took whatever reasonably agreeable jobs they could find. One woman found employment at an antique shop, one at a craft shop, and one at a pet shop.

They quickly found themselves absorbed in the Middelrode scene, busy as they were with their jobs, their new home, and their developing social lives. In their local goings-about, they met their future husbands—Gary, Guy, and George. And in the year 1954 they all married, becoming Mrs. Dewey, Mrs. Ledger, and Mrs. Stockton. Their new husbands, all loyal sons of Middelrode, had locally established careers—one was an accountant, one a librarian, and the other a shopkeeper.

Misty, who was the first to marry, became Mrs. Stockton; the friend who worked in the antique shop and the friend who was to marry George were both in her wedding party. The shopkeeper, who wanted no wife of his working in a pet shop, persuaded his intended to resign her post soon after Edda's wedding. Guy and the account-

tant, who were by that time both married, gave a bachelor party for Mr. Dewey on the night before his marriage. The three couples all became close friends in time, although Edda had to overcome a deep-seated aversion to accountants.

Can you match up Misty, Stella, and Edda with their Middelrode jobs, their husbands, and their husbands' respective livelihoods?

## MORE MARRIAGES ★★★

The friendships continued to thrive and the marriages bore fruit. The three couples collectively bore six children—Chloe, Penelope, Sylvester, Mary Jane, Ernest, and Harold. The children were all born at least a year after their parents' marriage, and no two of them were born in the same year. The Ledgers had the first child, the Stocktons had the last child, and the Deweys had a child in 1958.

Because of the close bonds among the families, the Dewey, Ledger, and Stockton children were friends throughout their childhood, as their mothers had been before them. Such was the intimacy of their friendships, in fact, that they all married each other (staying within legal bounds, of course). A triple wedding was held on December 31, 1983. The couples longed for even less-green pastures than their mothers had in days past, so after the wedding they moved to Maxiburg, Megaville, and Miniopolis.

The communal wedding was thoroughly written up in the society page of *The Middelrode Monthly Must*. Some of the society editor's relevant remarks are cited below:

1. None of the couples became Mr. and Mrs. Dewey.
2. The woman who married Harold and is moving to Megaville is two years younger than Penelope.
3. Mary Jane and her younger sister Chloe did not marry brothers.
4. Ernest is one year older than his new wife, who is not a firstborn child.
5. One of the newlywed couples has an age difference of three years.
6. Sylvester's new mother-in-law built the kitchen cabinets for his future home in Miniopolis.

Can you now deduce the offsprings' full names (before marriage) and years of birth, who married whom, and who resettled where?

Answer Drawer, page 68



# HOW TO HELP A LITTLE GIRL MAKE IT ALL THE WAY TO 7.

It wasn't long ago that if little Kamala Rama drank the water in her village she would have taken her life in her hands.

Today, thanks to Save the Children, she can have clean water to wash with, and fresh water for her mother to cook with.

And she can do something else that was once unheard of in her village for a little girl.

She can go to school. Even go past the fifth grade.

When you first sponsor a child through Save the Children, you have no idea how much just \$16 a month can do.

By combining your funds with other sponsors, we're helping families, even entire communities, do so much. The result is that children are now getting things they didn't always have:

Better food. Clean drinking water. Decent housing. Medical care. A chance to go to school.

In fact, for over 50 years, Save the Children has been working little life-saving miracles here in America and around the world.

And the wonderful feeling of sponsoring a child comes to only 52¢ a day. The cost of a cup of coffee.

What's more, you'll get a photo of the child you sponsor, a personal history, progress reports and a chance to correspond, if you'd like.

Please, won't you help. Send in the coupon today.

There are still so many children who need the chance Kamala Rama got.

The chance to make it to 7.



Gary Shaye

Because 50 years of experience has taught us that direct handouts are the least effective way of helping children, your sponsorship contributions are not distributed in this way. Instead, they are used to help children in the most effective way possible—by helping the entire community with projects and services, such as health care, education, food production and nutrition.

Established 1932 The original child sponsorship agency. Your sponsorship payments and contributions are U.S. income tax deductible. We are indeed proud of our use of funds. Based on last year's audit, an exceptionally large percentage of each dollar spent was used for program services and direct aid to children and their communities. Our annual summary with financial statement is available upon request.

☐ Yes, I would like to sponsor a child. My first monthly sponsorship payment of \$16 is enclosed. I prefer to sponsor a ☐ boy ☐ girl ☐ either in the area I've checked below.

☐ Where the need is greatest

- ☐ Africa
- ☐ American Indian
- ☐ Appalachia (U.S.)
- ☐ Bangladesh

- ☐ Chicano (U.S.)
- ☐ Colombia
- ☐ Dominican Republic
- ☐ Honduras
- ☐ Indonesia
- ☐ Inner Cities (U.S.)

- ☐ Israel
- ☐ Lebanon
- ☐ Mexico
- ☐ Nepal
- ☐ Philippines
- ☐ Southern States (U.S.)
- ☐ Sri Lanka
- ☐ Thailand

Mail to: Save the Children  
50 Wilton Road, Westport, Connecticut 06880  
Attn: David L. Guyer, President

Name \_\_\_\_\_  
(Please print)

Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_ Zip \_\_\_\_\_ GA 7/4

☐ Instead of becoming a sponsor at this time, I am enclosing a contribution of \$ \_\_\_\_\_

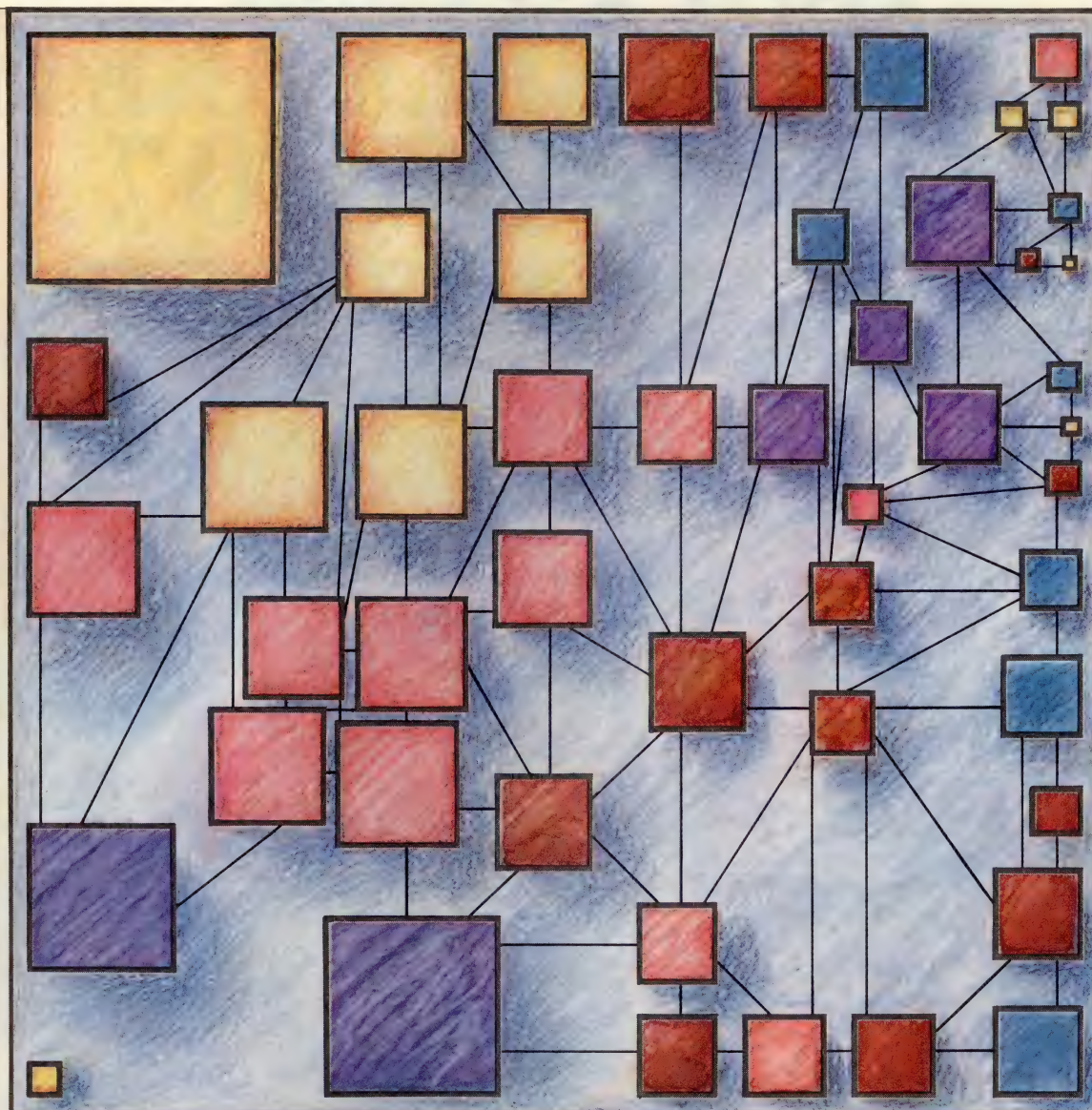
☐ Please send me more information.



**Save the Children®**

© 1984 Save the Children Federation





**H**ere's your chance to achieve national recognition. The abstract pattern shown here is actually a distorted map of the United States, in which each state's familiar shape has been squeezed into a square of equivalent area.

The national boundaries have been squared, too, causing some continental drift, so we inserted black lines to reconnect states that share borders.

#### POPULATION KEY

- less than 1 million
- 1 to 3 million
- 3 to 5 million
- 5 to 10 million
- more than 10 million

Finally, to convince you that we haven't lost our census, each state has been color-coded according to its population in 1980, the most recent nationwide count.

Using the clues of size, population, contiguity, and approximate location, can you label all 50 states?

*Answer Drawer, page 64*

*Rick Zimmerman is an architect who lives in Euclid, in the smallest purple state.*

Can You Label This  
Misshapen U.S. Map?

# SQUARE PLAY



**Play to win.**



**The 1984 Bombay Gin "Play to Win" Contest.  
Play to win a new Jaguar XJ-S and other elegant  
(and terribly British) prizes.**

**GRAND PRIZE:** 1984 Jaguar XJ-S

**3 SECOND PRIZES:** Ten-day trip for two to England including five-day crossing on the Queen Elizabeth II, five days sightseeing in London, \$1,000 in spending money, hotel accommodations and airline tickets home.

**25 THIRD PRIZES:** LeRoy Neiman Winners, full-color 250 page volume, a compendium of Neiman's work in sports during the last three decades.

**Here's How To Enter:**

1. ON AN OFFICIAL ENTRY FORM, hand print your name, address, telephone number, and name two (2) "Round-the-World" Bombay Gin drinks indicated on the side label of any size Bombay Dry Gin bottle.
2. IMPORTANT: All entries must be on official entry forms only (no facsimiles or copies will be honored). For each additional entry form you wish, send a SEPARATE, self-addressed, stamped envelope to: Bombay Gin Requests, P.O. Box 4071R, Blair, NE 68009. Limit one request per envelope. Requests must be received by September 9, 1984. Residents of Washington need not affix postage to their self-addressed envelopes. A complete list of "Round-the-World" Bombay Gin drinks will accompany any request for an official entry form.
3. Mail your entry in a hand-addressed envelope no larger than 4 1/4" x 9 1/2" (#10 envelope) to: Bombay Gin "Play to Win" Contest, P.O. Box 4088E, Blair, NE 68009. Enter as often as you wish; each entry must be mailed SEPARATELY. Entries must be received by September 30, 1984.
4. Winners will be determined in a random drawing from among all entries received. In order to be eligible for a prize, the entry must be completed correctly. Drawings are under the supervision of the D. L. BLAIR CORPORATION, an independent judging organization whose decisions are final. The odds of winning will be determined by the number of correctly answered entries received. All prizes will be awarded.
5. This contest is open to residents of the U.S. of legal drinking age in their state at time of entry. Employees of Carillon Importers, Ltd., its distributors, retailers, advertising and promotion agencies and the families of each ARE NOT ELIGIBLE. Contest void in OH, OK, TX and AL, and wherever prohibited by law. Limit one prize per family. No substitution of prizes permitted. All federal, state and local laws and regulations apply. All applicable taxes are the responsibility of the prize winners.
6. Prize winners may be obligated to sign and return an affidavit of eligibility within 30 days of notification. In the event of non-compliance within this time period, alternate winners will be selected. Any prizes returned to the sponsor or to the D. L. BLAIR CORPORATION as undeliverable will be awarded to alternate winners. Travel prizes will be subject to availability and must be completed within a year of notification.
7. For a list of prize winners, send a SEPARATE stamped, self-addressed envelope to: Bombay Gin Winners List, P.O. Box 4087W, Blair, NE 68009.

**Bombay Gin "Play to Win" Contest**

P.O. Box 4088E

Blair, NE 68009

NAME \_\_\_\_\_ AGE \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

Name two (2) "Round-the-World" Bombay Gin drinks:

1. \_\_\_\_\_

2. \_\_\_\_\_

GA

By returning this form I certify that I am of legal drinking age in the state in which I reside.

©1984 Carillon Importers, Ltd., New York, New York



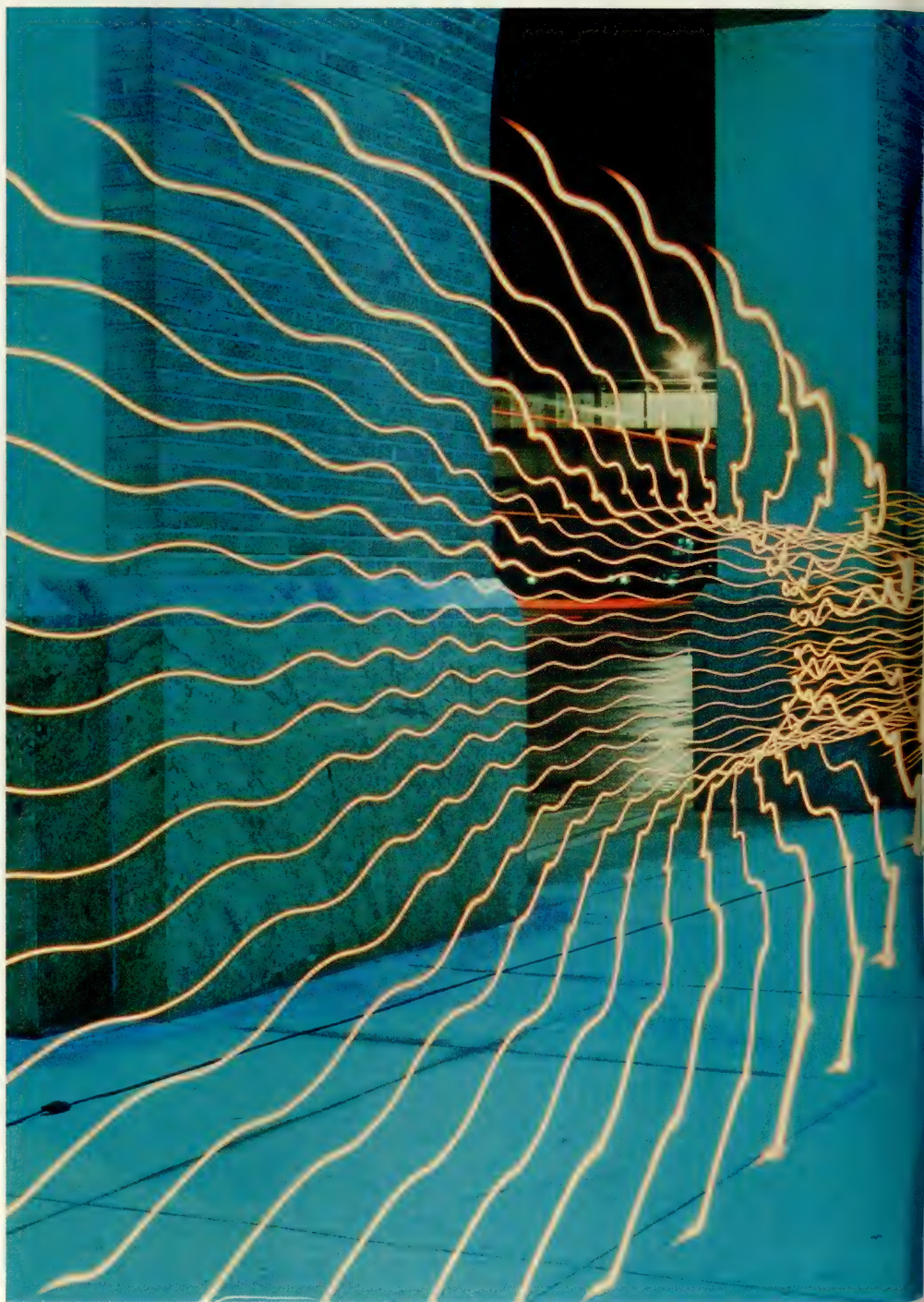
# C:A:M:E:R:A...C:A:D:A:B:R:A

FOR THESE INGENUOUS PHOTOGRAPHERS,  
THE LENS IS QUICKER THAN THE EYE

BY ROBERT LEIGHTON

**B**oth magician and photographer seem to circumvent the laws of nature, creating illusions that beguile and perplex. "How do they do that?" we ask. But while we can examine the magician's trick for only a moment, we may stare at the photographer's as long as we like. The ingenious photograph challenges us to penetrate its mystery.

Today's darkroom is a veritable Merlin's den of optical and chemical wizardry, but some of the most playful and puzzling images are still created *outside* the darkroom. As the photos on these and the following pages show, an exciting concept, the creative use of props, and a ready wit are enough. The viewer sees just what the camera saw—moments of photographic reality in a world where the laws of time and space seem to have been repealed.



Copyright © by Eric Staller



# THE INVISIBLE MAN

ERIC STALLER



The magic of photography not only makes objects disappear but also records the invisible. Although photographer Eric Staller was in front of the camera when this photograph was made, he doesn't show up in the picture. And the tunnel of light, which *is* in the picture, could not have been observed at the scene.

Both effects depend on the same phenomenon: The darker an object, the slower it is recorded on film. For instance, in a long nighttime exposure, a moving car appears as streaks of light. The bright headlights register even though they're moving, but the scant light reflected by the darker car is not picked up on film.

This principle is the secret of Staller's strange night-vision. He attached Christmas lights to stiff cardboard, arranging them in a circle within a square and wiring them to a switch that controlled the two shapes independently. He placed his camera on a tripod at one end of the dimly lit passageway and set the camera's automatic timer. Then Staller—dressed in dark clothing—ran to the opposite end of the passage, switched on the circle of lights, and began walking. When he'd gone a few steps he switched off the circle and turned on the square, maintaining his steady pace. Finally, for his last few steps, he reversed the lights again. So while the lights are in the picture, Staller is not, because he kept moving—like the car in the example.

Staller, who works in public places, was stopped one night in mid-shot by a policeman who wanted to know why he was running around with lighted sparklers. Not stopping, Staller explained how great they would look on film if he could just keep moving. The policeman, a shutterbug himself, let Staller continue, but hung around much of the night asking questions.

---

*Assistant Editor Robert Leighton has taken more than 2,500 blurry pictures of his thumb.*



# HELLO, DALI!

PHILIPPE HALSMAN

In the mid-forties, during what he called his atomic period, the surrealist artist Salvador Dali took to portraying his subjects suspended in midair. These paintings inspired his friend, the late *Life* photographer Philippe Halsman, to make a camera portrait of Dali in the painter's own style. The two artists worked out a composition that included cascading water, suspended furniture, flying cats, and a floating Dali. The photograph was to capture the artist painting the experience of being photographed.

It took Halsman six hours, six assistants, and more than two dozen at-

tempts to get the classic shot seen here. Standing out of camera range, Halsman's wife, Yvonne, held one leg of the chair (in the left foreground). On cue from Halsman, one assistant hurled a bowlful of water across the set, three others tossed cats, and Dali jumped. The only stationary objects were the copy of Dali's painting *Leda Atomica* (far right) and the easel (center), both supported by wires; and the footstool (lower right), which rested on a small block (visible in the two outtakes seen on the opposite page) that was later re-touched out of the picture.

After each take, the assistants read-

ied everything for the next go-round while Halsman grabbed the film and ran to his darkroom, one floor up, to see how it looked. When he had what he wanted, Halsman gave an enlarged print to Dali, who painted a feline nightmare on the blank easel (notice that the outtakes do not include the painting—and that it casts no shadow).

As for the cats, Mrs. Halsman reports that while they may not have had the time of their nine lives, they were well rewarded for their contribution to this famous photograph—each received a plateful of ridiculously expensive Portuguese sardines for his work.



Dali/Atomica copyright © by Philippe Halsman



# DRINK UP

RAY MASSEY

Using a simple set and an unconventional light source, London photographer Ray Massey turned air into water and vice versa. Can you figure out how this picture was taken? For an explanation, turn to the Answer Drawer, page 68.



Copyright © by Ray Massey

These near-misses show some of the things that could go wrong (and did) during the Halsman/Dali photo session. In the top picture, not enough cats, too little splash, and a grounded Dali added up to a mistimed misfire. Below, the water took an unphotogenic path directly in front of Dali's face, and Mrs. Halsman, patiently holding the chair, edged into camera range. "Everyone says 'poor cats' when they hear we threw them 28 times," Mrs. Halsman recalls. "You should have seen us after that!" Indeed, the chair that appears lighter-than-air in the finished photo must have been pretty heavy after 28 takes.



Outtakes courtesy of Yvonne Halsman. Copyright © by Philippe Halsman



# ONE BRIEF SHINING MOMENT

HAROLD EDGERTON

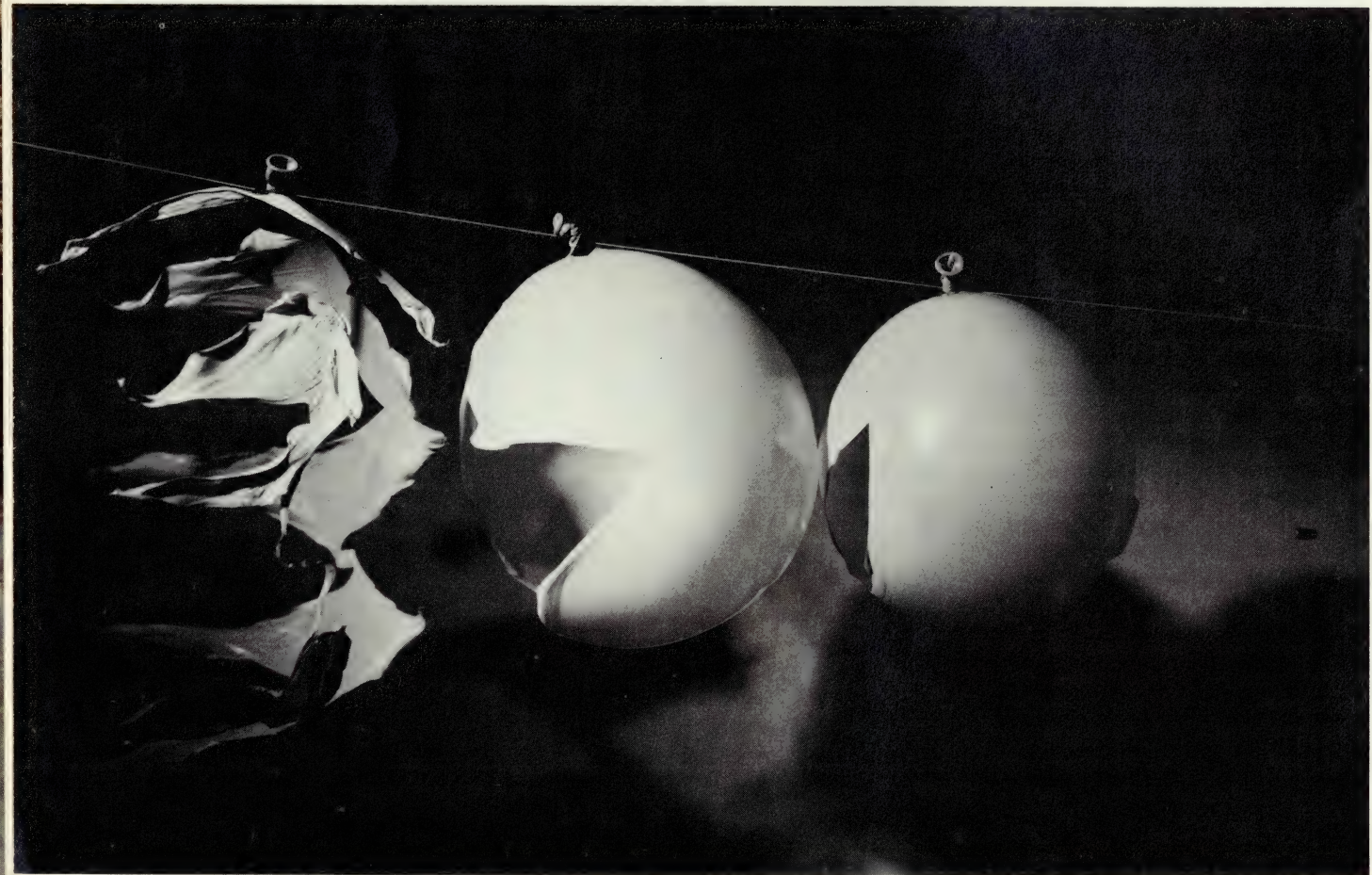
A sports photographer can stop a pole vaulter in midair by using a shutter speed of 1/1000 second with a wide aperture (since the shutter is open for such a short time, the lens aperture must be large enough to admit a lot of light). But to take a clear picture of a speeding bullet in flight would require a shutter speed a thousand times faster. Even if a shutter could be constructed to move that quickly, there would still be an insurmountable problem—that unimaginably brief exposure would not allow enough natural light to register on the film. Fortunately, there's a solution: timing the light instead of the shutter. That's what photographer-engineer Harold Edgerton did in 1959 to make this classic photo.

The principle of stopping action with a flash of light has been known for a century, but no flash had ever stopped a bullet until Edgerton greatly improved

on the stroboscope, or strobe light. His device can produce a burst of light many times brighter than normal sunlight, so that its intensity compensates for the film's very brief exposure.

To make the photograph below, Edgerton placed a 35mm camera in a totally dark room and left its shutter open. In the room were three balloons hanging from a wire, a gun aimed to fire a bullet through the balloons, and a photoelectric cell (electric eye) that would trigger the strobe when the bullet exited from the balloon on the right. The film, exposed only to the instantaneous but intense flash, recorded the unseeable—three balloons bursting in one *millionth* of a second, and the bullet suspended in flight (far right in the photo).

The phrase "quick as a wink" is suddenly reduced to nonsense. A wink takes 1/40 second—long enough for Edgerton's strobe to flash 25,000 times.

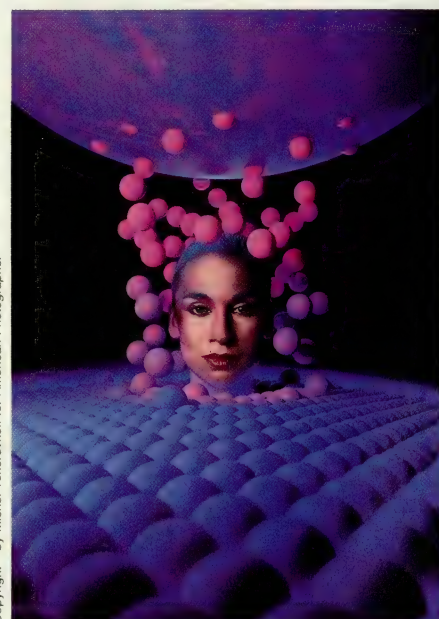


Copyright © by Harold Edgerton. Photo courtesy Daniel Wolf, Inc., NY



# MOON MAIDEN

MICHEL TCHEREVKOFF



Copyright © by Michel Tcherevkoff for American Photographer

The woman above seems to be weightless, suspended among strange orbs in an alien landscape. Are the small spheres rising into the large planet, or issuing from it? How was this gravity-defying feat achieved?

The ethereal effect, first seen on the cover of *American Photographer* magazine, was created with mundane props (for a different angle, see the Answer Drawer, page 68). A large sheet of Plexiglas was placed atop two sawhorses, and onto it were glued 1,000 painted table-tennis balls. The Plexiglas sheet supported a block, hidden behind the model's head, to which the balls were attached by wires. Suspended above the model's head was an orb, also Plexiglas, which photographer Michel Tcherevkoff splattered and painted until he had achieved an other-worldly surface. The smaller table-tennis balls were then individually cut and pasted in place to look as if they were being absorbed by the planet.

The "floating" balls had to be individually adjusted many times until Tcherevkoff was satisfied, and each time one was moved, the lights had to be re-adjusted to avoid unwanted shadows. Meanwhile, a mannequin's head posed patiently. Only when Tcherevkoff declared himself ready did the live model take her place in the heavens.

# THE TOPLESS LADY

HERIBERT BREHM

Any magician can cut a woman in half, but few can do it as deftly as Heribert Brehm. A West German photographer, Brehm was inspired to do a series of photos like the one below while a woman friend was visiting. "I saw her image in a mirror hanging above a sewing box," he explains. "Suddenly I was under the impression that she had sprouted from the box."

To achieve the effect, he covered one half of the film with a precision-cut mask and photographed a model sitting at a desk. If the film had been developed at that point, it would have shown only the lower half of the scene, below the desktop; the upper half would have been black. Brehm then removed the model, moved the mask, and shot the scene again, getting everything from the desktop up. The result: halves of two photographs, intriguingly combined on one piece of film.



Copyright © by Heribert Brehm





A HIDDEN IMAGE PUZZLE ★★ ILLUSTRATED BY ALEX MURAWSKI

# SECRETS *of* THE AMAZON

Deafened by a cacophony of caws, howls, and grunts, our heroes navigate the tortuous Amazon. They are watchful, as well they might be: The rain forest camouflages 45 denizens of the damp. How many of the reptiles, birds, bugs, beasts, and assorted fiendish faces can you find?

Answer Drawer, page 62







# FOLLOWING ORDERS

Can You Think as Logically as a Computer?



BY R. WAYNE SCHMITTBERGER

It's true that humans need computers—but computers need humans even more. If we don't tell them exactly what steps to perform and what order to perform them in, they are as useless as a dead battery. Confronted with an incomplete or illogical set of instructions, for instance, a computer can't fill in the gaps or make allowances, as humans can, by using reason and common sense, since it has neither. Instead, it simply stops and waits for new orders.

Someday computers may be able to think more like humans, but until they do, computer users will have to get used to thinking like machines. This means being able to describe a task as a series of precisely ordered steps. For example, a human readily understands the simple command "open the door and go in," but a computer might require the following series of instructions to carry out that task:

1. Check to see whether door is locked.
  2. If door is unlocked, skip the next two statements.
  3. Put key in lock.
  4. Unlock door.
  5. Open door.
  6. If key is in lock, remove it.
  7. Go inside.
  8. Close door.
- If the order of these statements were slightly changed, a human would still know what to do. A computer would be stumped.

The four puzzles that

follow are based on the inflexible kind of logic that computers use. Each consists of a mixed-up set of instructions which, when put in proper order, is a literal, step-by-step method of performing a particular task. **In all the problems, the first and last instructions are already in their correct positions.**

Anyone who's done much computer programming may find these puzzles easy. Anyone who hasn't may be surprised at how tricky it can be to precisely define the steps of even the simplest task.

*Answer Drawer, page 62*

## 1. Traffic Lights

A procedure is needed to periodically change all the red traffic lights in a small town to green, and vice versa. (Luckily, there are no amber lights in this town, and also no lights that don't work.) Assume that you have a street map that shows the locations of all the lights. Hint: The "skip" statements will help you avoid ending up with all lights the same color.

- a. If all lights on your map are marked "done," skip the next six statements.
- b. If the light is red, skip the next two statements.
- c. Turn the light red.
- d. Turn the light green.
- e. On your map, mark the light you just changed as "done" and go back to the first statement.
- f. Find a light that is not

marked "done" on your map, and check whether it is red or green.

- g. Skip the next statement.
- h. End.

## 2. Candy Sale

Chocolate truffles cost \$5 per pound for the first 5 pounds, and only \$3 per pound for any amount in excess of 5 pounds. How would you compute the cost of any given amount of truffles?

- a. If the amount is over 5 pounds, skip the next two statements.
- b. Multiply by 3.
- c. Multiply by 5.
- d. Add 25.
- e. From the weight in pounds, subtract 5.
- f. Skip the next three statements.
- g. Write the result, which will be the price in dollars.

## 3. Balancing Beams

You have three heavy beams marked A, B, and C, and want to find out which one is the heaviest. You also have a scale that tells you which of any two beams is heavier, but it does not give the specific weight of any beam. In what order must you perform the following steps to determine which beam is the heaviest, and to mark it accordingly? Assume that all three have different weights.

- a. Weigh A against B.
- b. Weigh B against C.
- c. Weigh A against C.
- d. If A is heavier, skip the next three statements.

- e. If A is heavier, skip the next four statements.
- f. If B is heavier, skip the next five statements.
- g. Mark A "heaviest."
- h. Mark B "heaviest."
- i. Mark C "heaviest."
- j. Skip the next statement.
- k. Skip the next two statements.
- l. Skip the next three statements.
- m. End.

## 4. Leap Year

You want to be able to write "leap year" or "not a leap year" for any given year from 1801 to 2101, according to whether or not the given year had or will have 366 days in it. You must remember to take into account that years ending in 00 are leap years only if they are evenly divisible by 400. (Thus, 1900 was not a leap year, but 2000 will be.) Years ending in other digits, of course, are leap years if and only if they are divisible by 4.

- a. Read the year chosen (from 1801 to 2101).
- b. Divide the year by 4.
- c. Divide the year by 100.
- d. Divide the year by 400.
- e. Skip the next statement.
- f. If there is a remainder, skip the next two statements.
- g. If there is a remainder, skip the next two statements.
- h. If there is a remainder, skip the next six statements.
- i. Write "leap year."
- j. Write "not a leap year."
- k. End

1801 = 1801  
1802 = 1802  
1803 = 1803  
1804 = 1804  
1805 = 1805  
1806 = 1806  
1807 = 1807  
1808 = 1808  
1809 = 1809  
1810 = 1810  
1811 = 1811  
1812 = 1812  
1813 = 1813  
1814 = 1814  
1815 = 1815  
1816 = 1816  
1817 = 1817  
1818 = 1818  
1819 = 1819  
1820 = 1820  
1821 = 1821  
1822 = 1822  
1823 = 1823  
1824 = 1824  
1825 = 1825  
1826 = 1826  
1827 = 1827  
1828 = 1828  
1829 = 1829  
1830 = 1830  
1831 = 1831  
1832 = 1832  
1833 = 1833  
1834 = 1834  
1835 = 1835  
1836 = 1836  
1837 = 1837  
1838 = 1838  
1839 = 1839  
1840 = 1840  
1841 = 1841  
1842 = 1842  
1843 = 1843  
1844 = 1844  
1845 = 1845  
1846 = 1846  
1847 = 1847  
1848 = 1848  
1849 = 1849  
1850 = 1850  
1851 = 1851  
1852 = 1852  
1853 = 1853  
1854 = 1854  
1855 = 1855  
1856 = 1856  
1857 = 1857  
1858 = 1858  
1859 = 1859  
1860 = 1860  
1861 = 1861  
1862 = 1862  
1863 = 1863  
1864 = 1864  
1865 = 1865  
1866 = 1866  
1867 = 1867  
1868 = 1868  
1869 = 1869  
1870 = 1870  
1871 = 1871  
1872 = 1872  
1873 = 1873  
1874 = 1874  
1875 = 1875  
1876 = 1876  
1877 = 1877  
1878 = 1878  
1879 = 1879  
1880 = 1880  
1881 = 1881  
1882 = 1882  
1883 = 1883  
1884 = 1884  
1885 = 1885  
1886 = 1886  
1887 = 1887  
1888 = 1888  
1889 = 1889  
1890 = 1890  
1891 = 1891  
1892 = 1892  
1893 = 1893  
1894 = 1894  
1895 = 1895  
1896 = 1896  
1897 = 1897  
1898 = 1898  
1899 = 1899  
1900 = 1900  
1901 = 1901  
1902 = 1902  
1903 = 1903  
1904 = 1904  
1905 = 1905  
1906 = 1906  
1907 = 1907  
1908 = 1908  
1909 = 1909  
1910 = 1910  
1911 = 1911  
1912 = 1912  
1913 = 1913  
1914 = 1914  
1915 = 1915  
1916 = 1916  
1917 = 1917  
1918 = 1918  
1919 = 1919  
1920 = 1920  
1921 = 1921  
1922 = 1922  
1923 = 1923  
1924 = 1924  
1925 = 1925  
1926 = 1926  
1927 = 1927  
1928 = 1928  
1929 = 1929  
1930 = 1930  
1931 = 1931  
1932 = 1932  
1933 = 1933  
1934 = 1934  
1935 = 1935  
1936 = 1936  
1937 = 1937  
1938 = 1938  
1939 = 1939  
1940 = 1940  
1941 = 1941  
1942 = 1942  
1943 = 1943  
1944 = 1944  
1945 = 1945  
1946 = 1946  
1947 = 1947  
1948 = 1948  
1949 = 1949  
1950 = 1950  
1951 = 1951  
1952 = 1952  
1953 = 1953  
1954 = 1954  
1955 = 1955  
1956 = 1956  
1957 = 1957  
1958 = 1958  
1959 = 1959  
1960 = 1960  
1961 = 1961  
1962 = 1962  
1963 = 1963  
1964 = 1964  
1965 = 1965  
1966 = 1966  
1967 = 1967  
1968 = 1968  
1969 = 1969  
1970 = 1970  
1971 = 1971  
1972 = 1972  
1973 = 1973  
1974 = 1974  
1975 = 1975  
1976 = 1976  
1977 = 1977  
1978 = 1978  
1979 = 1979  
1980 = 1980  
1981 = 1981  
1982 = 1982  
1983 = 1983  
1984 = 1984  
1985 = 1985  
1986 = 1986  
1987 = 1987  
1988 = 1988  
1989 = 1989  
1990 = 1990  
1991 = 1991  
1992 = 1992  
1993 = 1993  
1994 = 1994  
1995 = 1995  
1996 = 1996  
1997 = 1997  
1998 = 1998  
1999 = 1999  
2000 = 2000  
2001 = 2001  
2002 = 2002  
2003 = 2003  
2004 = 2004  
2005 = 2005  
2006 = 2006  
2007 = 2007  
2008 = 2008  
2009 = 2009  
2010 = 2010  
2011 = 2011  
2012 = 2012  
2013 = 2013  
2014 = 2014  
2015 = 2015  
2016 = 2016  
2017 = 2017  
2018 = 2018  
2019 = 2019  
2020 = 2020  
2021 = 2021  
2022 = 2022  
2023 = 2023  
2024 = 2024  
2025 = 2025  
2026 = 2026  
2027 = 2027  
2028 = 2028  
2029 = 2029  
2030 = 2030  
2031 = 2031  
2032 = 2032  
2033 = 2033  
2034 = 2034  
2035 = 2035  
2036 = 2036  
2037 = 2037  
2038 = 2038  
2039 = 2039  
2040 = 2040  
2041 = 2041  
2042 = 2042  
2043 = 2043  
2044 = 2044  
2045 = 2045  
2046 = 2046  
2047 = 2047  
2048 = 2048  
2049 = 2049  
2050 = 2050  
2051 = 2051  
2052 = 2052  
2053 = 2053  
2054 = 2054  
2055 = 2055  
2056 = 2056  
2057 = 2057  
2058 = 2058  
2059 = 2059  
2060 = 2060  
2061 = 2061  
2062 = 2062  
2063 = 2063  
2064 = 2064  
2065 = 2065  
2066 = 2066  
2067 = 2067  
2068 = 2068  
2069 = 2069  
2070 = 2070  
2071 = 2071  
2072 = 2072  
2073 = 2073  
2074 = 2074  
2075 = 2075  
2076 = 2076  
2077 = 2077  
2078 = 2078  
2079 = 2079  
2080 = 2080  
2081 = 2081  
2082 = 2082  
2083 = 2083  
2084 = 2084  
2085 = 2085  
2086 = 2086  
2087 = 2087  
2088 = 2088  
2089 = 2089  
2090 = 2090  
2091 = 2091  
2092 = 2092  
2093 = 2093  
2094 = 2094  
2095 = 2095  
2096 = 2096  
2097 = 2097  
2098 = 2098  
2099 = 2099  
2100 = 2100  
2101 = 2101



Sunday  
June  
1984

17

Father's Day



July

S	M	T	W	T	F	S
				1	2	
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				



# BENSON & HEDGES

## *Deluxe Ultra Lights*



© Philip Morris Inc. 1984

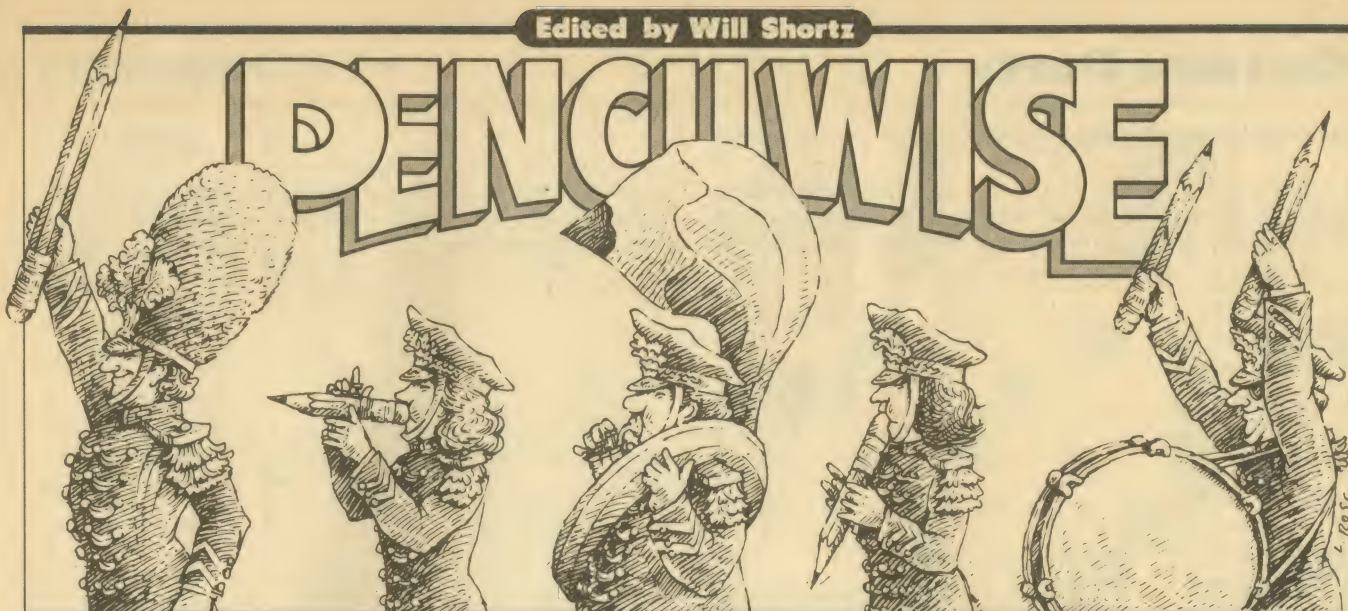
6 mg "tar," 0.5 mg nicotine av. per cigarette, FTC Report Mar.'84.

Warning: The Surgeon General Has Determined  
That Cigarette Smoking Is Dangerous to Your Health.

*The Deluxe 100.*  
Regular and Menthol.



# PENGLUWISE



## Marching Bands ★★

by Mike Shenk

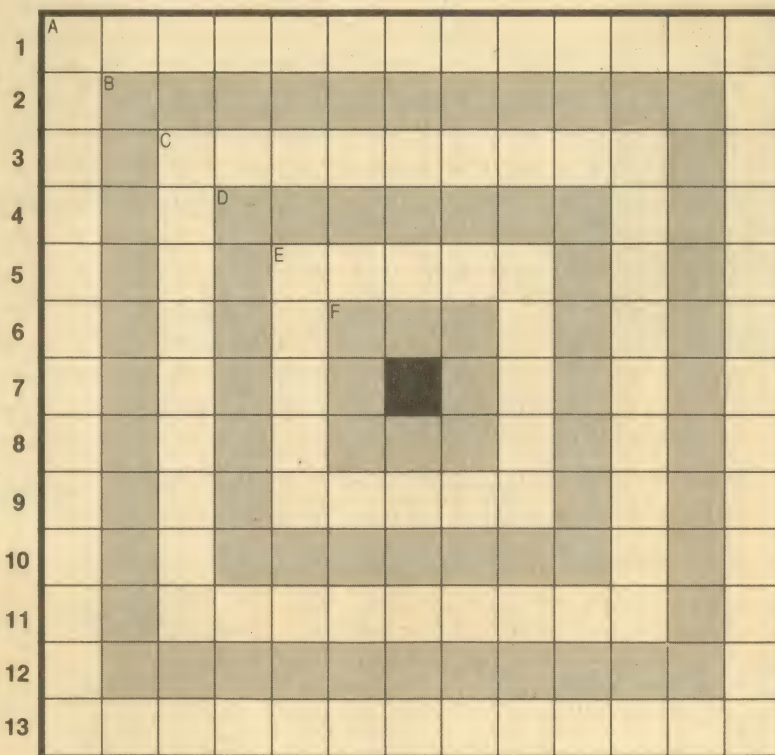
The words in this puzzle march around the grid in two ways. In one formation ("Rows"), words march across—two words for each numbered line, reading consecutively from left to right. The dividing point between these answers is for you to determine, except in row 7, where the words are separated by a black square. In the second formation ("Bands"), words march around each of the six shaded and unshaded bands, starting at the lettered squares (A, B, C, D, E, and F) and proceeding in a clockwise direction, one word after another.

For example, Band "A," when filled in, will contain six consecutive words (a through f) starting in square "A" and reading around the perimeter of the grid. Band "B" will contain a similar series of six words (a through f) starting in square "B." Again, the dividing point between these answers is for you to determine. All clues are given in order. When the puzzle is completed, each square in the grid will have been used once in a Row word and once in a Band word. March!

Answer Drawer, page 64

### ROWS

- 1 a Weatherman's spiel  
b Iced tea embellishment
- 2 a Fields  
b Guaranteed
- 3 a Tailor's measurement  
b Med school course
- 4 a Least important  
b Most desirable
- 5 a In the thick of  
b Extra hours on-the-job
- 6 a *Raging Bull* star  
b Inhabitant
- 7 a Orbital point  
b Climb
- 8 a West Point student  
b Aversion
- 9 a Someone  
b Tell, for one
- 10 a Prototype  
b Dickers



### BANDS

- A a Part of the upper deck  
b Shylocks  
c California park  
d Heston role  
e Rainbow goddess  
f Australian nut
- B a Put at ease  
b The heavens  
c Surround  
d Butt  
e Inert gas  
f *Quest for Fire* creatures
- C a Mariner  
b Reduce to dust  
c Polish  
d *Oliver Twist's* meal  
e Famed race, for short  
f Gift giver
- D a Bar legally  
b South American lake  
c Betty of pin-up fame  
d Kick off
- E a Rule  
b Wander off  
c One with a crush
- F a Ballad  
b Comment to the audience

- 11 a Dotty, perhaps  
b Need for haste

- 12 a Blend  
b Fly without a copilot

- 13 a Levitate  
b Occasionally



# Costume Party ★

by Edith Rudy

## A Well-Dressed Word Search

Clothes-minded people should find that this word search suits them perfectly. Hidden in the figure are the names of the 50 listed items of national and ethnic attire, from the Eskimo's

ANORAK (a parka) to the Turk's YASHMAK (a woman's veil). Answers may run horizontally, vertically, or diagonally, but always in a straight line.

Answer Drawer, page 65

ANORAK  
BABUSHKA  
BALMORAL  
BANDANNA  
BERET  
BILLYCOCK  
BROGUE  
BURNOOSE  
BUSBY  
BUSKINS  
CAFTAN  
CHAPAREJOS  
DASHIKI  
DHOTI  
DIRNDL  
DOLMAN  
GALLIGASKINS  
GLENGARRY  
INVERNESS  
KAFFIYEH  
KEPI  
KILT  
KIMONO  
KNICKERS  
MANTILLA  
MOCCASINS  
MUKLUK  
MUUMUU  
PANAMA HAT  
PARKA  
PEPLOS  
PLUS FOURS  
PONCHO  
PUGGREE  
SARI  
SARONG  
SERAPE  
SOMBRERO  
SPORRAN  
TAM O'SHANTER  
TARBOOSH  
TOGA  
TOPEE  
TOQUE  
TREWS  
TRILBY  
TURBAN  
ULSTER  
YARMULKE  
YASHMAK

```

      A
    M A N
      A
        B   N S S A
  T T I R E R A N A T F A C N D E X C
      E S S I U V R G E L A U G H
        T M A N T I L L A E R A
          N D G E A I
            T N
              S G
                H O W W A H A T
                  D P U G G R E E H E
                    I C H A P A R E J O S S
                      T H E N O A L Y P O C R P Y
                        P H A O I N T L T E Y L L E O C
                          T I S T O R E H E Y I F F A K M O T R I O N
                            A S O U R C A L O T H G E K S S G N O R A S A R
                              E T P A R K A O O S A H U H R B O D A I E S
                                W E C O U L D N S O T M V E R Y N W
                                  E U K E L A
                                    L H A B V I E N K C I V
                                      I L I A T U N Z T R E D L I
                                        F E W B I R T S E H O E U T C A
                                          L O Y T A I H R B E S B V U N T
                                            W E W A O U L E L D Y B E I N N A P
                                              O O R O R E R B M O S W A Y A I I F W E
                                                H A U D O M A N Y L O Y C L D O M T H B E S
                                                  W I L T H O U T G U T B R O N M U U M U U D I E
                                                    S S A L F R L E D O N E O A R K O T H W S H I D
                                                      T T O N O M I K E H E T A B I L L Y C O C K E I D A
                                                        E M A O B K D E N E N S T W U O M A H C N I R E E D
                                                          R R E S R S E D O U A T I N K A R L C L H A N E R P F I
                                                            N E R O Y B I S T H H M E M O S T N T R E D S M E A O N
                                                              E D G S R U O F S U L P L O U I O S O O L B J I E R C T
                                                                T U O F T H E O W H O A L O E P E P L O S C R E N E A T
                                                                  E I Q O N O M L S I V N E R D E G O L D S S M I T S H I
                                                                    B A O S A E M O H D A S H I K I S T W O E F M Y F A
                                                                      S T H I O N T A M S T E N O N E W H A T D O
                                                                        E A S I N R
                                                                          T H I C T T
                                                                            C A H K G I
                                                                              L T D E A R
                                                                                A D N R E R
                                                                                  E D S I
                                                                                    T H R U
                                                                                      D Y
  
```



# Fruit Basket ★

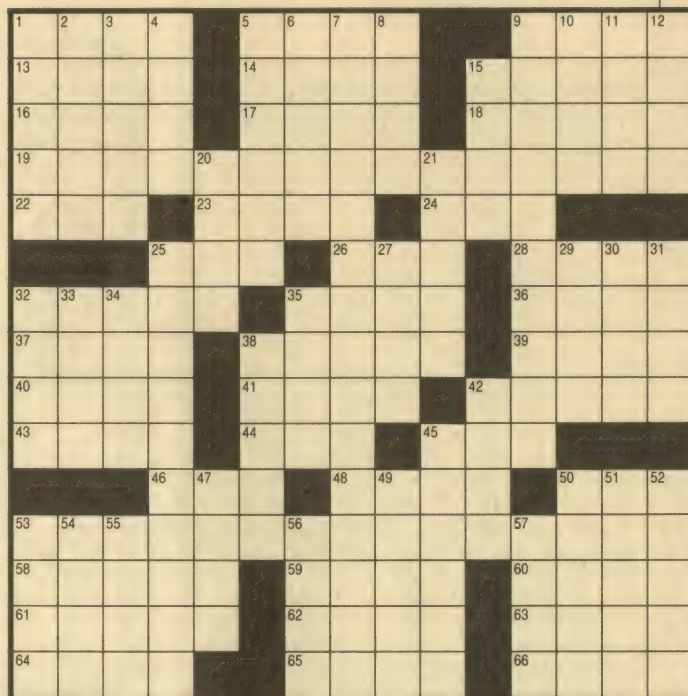
by Margaret Rigby

## ACROSS

- 1 Go for a stroll
- 5 Gullible fools
- 9 Opening for a coin
- 13 Sign of the future
- 14 To the sheltered side
- 15 Not a soul: 2 wds.
- 16 Brief reminder
- 17 Castle protection
- 18 Part of a pound
- 19 "Life is just \_\_\_\_": 4 wds.
- 22 Actress Fabray, for short
- 23 \_\_\_\_ of office (Inauguration recital)
- 24 Cloth scrap
- 25 \_\_\_\_ Arbor, Michigan
- 26 Greek letter
- 28 500 sheets
- 32 Skiing hill
- 35 Sales tag phrase: 2 wds.
- 36 Wheel rod
- 37 Reading light
- 38 Astounded
- 39 Leaning Tower site
- 40 Villainous
- 41 Bear hideaways
- 42 "Don't \_\_\_\_ it!": 2 wds.
- 43 Appointment
- 44 Blazed a trail
- 45 Mayday call
- 46 Oneself: Fr.
- 48 Roman censor
- 50 Mai \_\_\_\_ (rum drink)
- 53 Reddish-yellow, as hair: 2 wds.
- 58 Korean capital
- 59 Fishing line spool
- 60 "False" object of worship
- 61 Tennis star Austin
- 62 Auntie of Broadway
- 63 Built
- 64 Flank
- 65 Carter and Vanderbilt
- 66 Potato "peepers"
- 5 Pago Pago resident
- 6 High above
- 7 Kind of complexion: 3 wds.
- 8 Clockmaker Thomas
- 9 Poor loser's attitude: 2 wds.
- 10 Actress Anderson
- 11 A single time
- 12 Golf gadgets
- 15 Nick Charles's wife
- 20 \_\_\_\_ Star State (Texas)
- 21 Rub out
- 25 "Nonsense!"
- 27 Waiter's rewards
- 29 Stage direction
- 30 Additionally
- 31 Average
- 32 Flexible Flyer, e.g.
- 33 Volcano flow
- 34 Leave out
- 35 Writer James
- 38 Improvise one's lines
- 42 Silly fool
- 45 Fashions
- 47 Like nocturnal hooters
- 49 "You \_\_\_\_ Sunshine": 2 wds.

## DOWN

- 1 "There was an old \_\_\_\_"
- 2 One-celled organism
- 3 Dud of a car
- 4 Be aware of



Answer Drawer, page 64

- 50 The present
- 51 Battery terminal
- 52 Lounges around
- 53 Air France jets
- 54 Actress Garr
- 55 "Hit the \_\_\_\_ Jack"
- 56 Columnist Bombeck
- 57 Fertilizer ingredient

# Oo-La-La ★

by Len Elliott

This quiz may not elicit any ahs but it's sure to produce a lot of oohs. That's because the answer to each clue is a word or name ending with the letters -OO. For example, the clue "Crying sound" would lead to the answer BOOHOO, while "Mississippi river" would be YAZOO. Getting all 16 is reason for great ballyhoo.

Answer Drawer, page 66



1. Eskimo's abode \_\_\_\_\_
2. Sneezing sound \_\_\_\_\_
3. Black magic \_\_\_\_\_
4. 1975 Warren Beatty film \_\_\_\_\_
5. Mistake \_\_\_\_\_
6. Where Napoleon was defeated \_\_\_\_\_
7. Where you might see "Mom" \_\_\_\_\_
8. Train, to a tot \_\_\_\_\_
9. City in Michigan \_\_\_\_\_
10. Face-hiding game \_\_\_\_\_
11. Kind of court \_\_\_\_\_
12. Noisy confusion \_\_\_\_\_
13. Cowboy \_\_\_\_\_
14. Nearsighted cartoon character \_\_\_\_\_
15. It comes in shoots \_\_\_\_\_
16. Forbidden \_\_\_\_\_



# Chutes and Ladders ★★

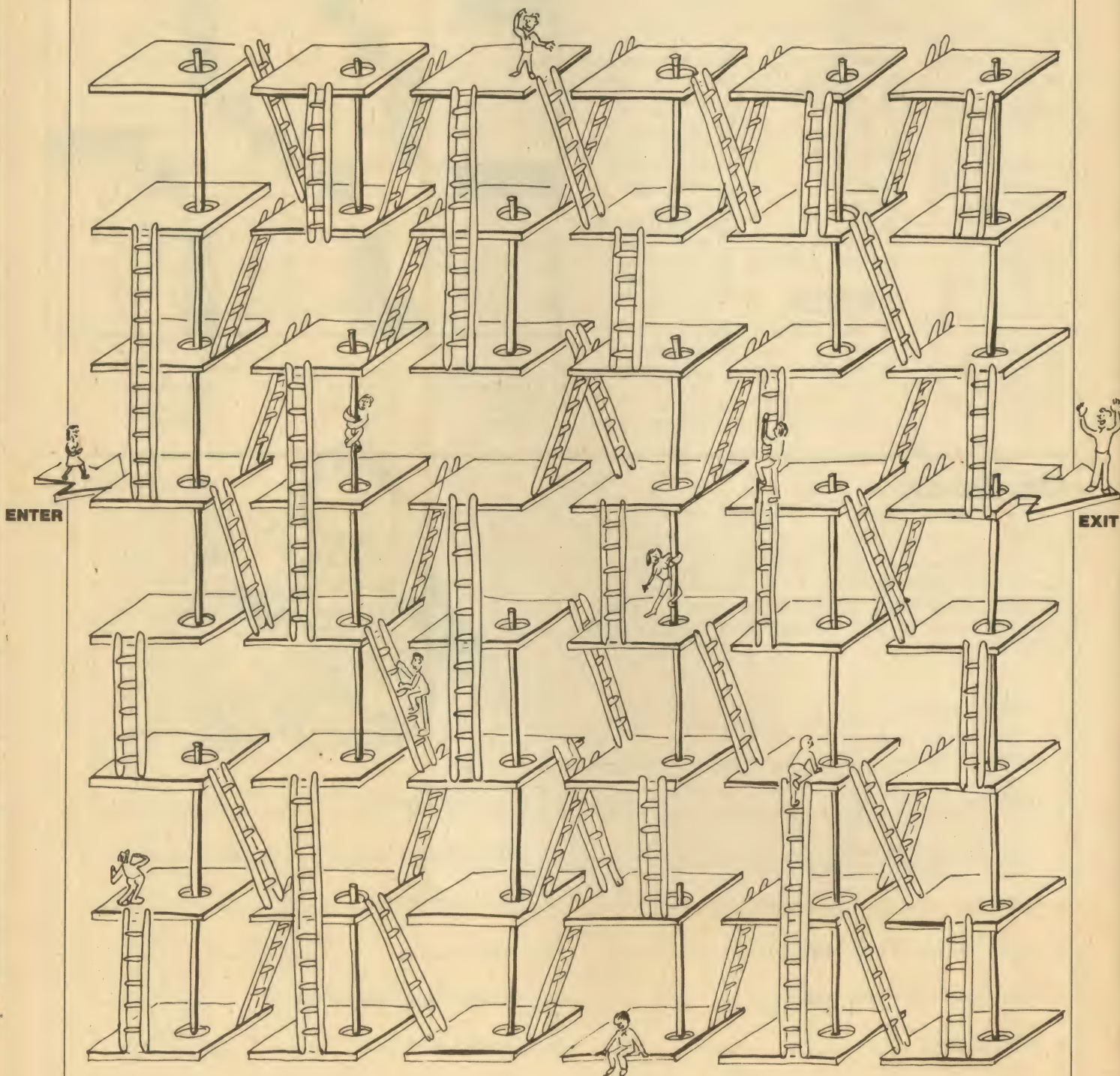
by Peter May

## An Eight-Story Maze

What goes up must come down, says the cliché. But not necessarily by the same route. In this maze, to get from the starting point at left center to the exit at right, you may go up only by using ladders, and down only by using chutes (or poles).

However, it is not necessary to stay on a chute or ladder all the way to its end—you may get on or off at any platform it touches. Don't be discouraged if you don't solve the maze quickly—we all have our ups and downs.

*Answer Drawer, page 62*





## SAVE UP TO 45% with GAMES Magazine!

☐ Send me 1 year (12 issues)  
of GAMES for only \$15.97  
(a 24% saving off the \$21.00  
single copy price)

☐ Send me 2 years (24 issues)  
of GAMES for only \$22.97  
(a 45% saving off the \$42.00  
single copy price)

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

Please allow 4-8 weeks for delivery of first issue.  
For foreign and Canadian orders add \$3.00 per year.

**FOR FASTER SERVICE, CALL TOLL-FREE 1-800-852-5000 EXT. 302**

☐ Payment enclosed  
☐ Bill me later

H5T16

## SAVE UP TO 45% with GAMES Magazine!

☐ Send me 1 year (12 issues)  
of GAMES for only \$15.97  
(a 24% saving off the \$21.00  
single copy price)

☐ Send me 2 years (24 issues)  
of GAMES for only \$22.97  
(a 45% saving off the \$42.00  
single copy price)

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

Please allow 4-8 weeks for delivery of first issue.  
For foreign and Canadian orders add \$3.00 per year.

**FOR FASTER SERVICE, CALL TOLL-FREE 1-800-852-5000 EXT. 302**

☐ Payment enclosed  
☐ Bill me later

H5T24

### How It Was Done

As we've constructed crosswords under the illusion that our work was far too sophisticated for a computer.

We learned what was until this spring a well-kept secret by Newspaper Enterprise Association, one of the largest feature syndicates, distributes a computer-generated crossword to 600 daily newspapers around the country.

According to David Hendin, editorial director at the syndicate's crossword puzzle program was developed by an outside consulting firm about 18 months ago, and since then has been upgraded every six months. As the program now stands, the puzzle is constructed from a file of about 40,000 words, each of which has been assigned with 2 to 20 definitions. To create a crossword, the computer is given one of NEA's 30 puzzle grids and a starting letter. The computer fills in the rest, numbers the grid, and prints each answer word with a definition. The program has a special feature that limits the number of times a single word can be used during a three-to-five month period. The definitions are rotated so as to avoid repeating any one too often.

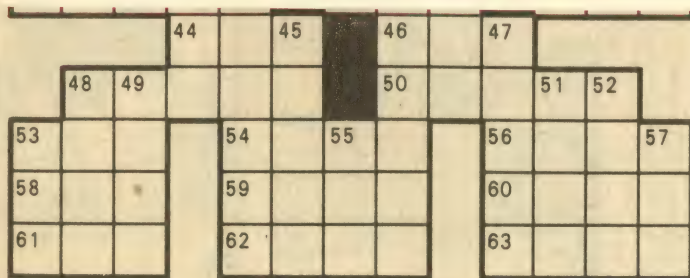
According to Hendin, the computer is cost-effective because its puzzles are cheaper than those made by human constructors, and it supplies camera-ready

proof of the quality? We test-solved a week's worth of NEA puzzles and have to report that they make the heart race with excitement. The puzzles we like to work have fresh words and wide-open construction, a dash of humor and wit, and, if possible, a novel theme to tie everything together. The NEA puzzles are themeless, mostly of short words, and contain definitions that appear to have been lifted whole out of an old-fashioned dictionary.

The program, too, has some problems. While it is sophisticated enough to avoid repeating a word in a puzzle (one of the taboos of crosswords), an NEA puzzle says it can't distinguish singular words from plural. When two forms of the same term appear in a grid, the puzzle must be fixed by hand or computer. And since words are chosen only for their fit in the grid, and the clues are used in strict order, a puzzle doesn't always maintain a consistent level of difficulty throughout. The corner of a supposedly easy puzzle we tried proved to be a

Still, perhaps we should be comparing the NEA crossword to what preceded it rather than to what we would like it to be. According to Hendin, no one objected when the syndicate computerized the construction. In fact, it says something about the quality of the program that no one, apparently, even noticed.

Judge the quality for yourself. A recent NEA computer-made crossword appears at left. —W. S.



Answer Drawer, page 66

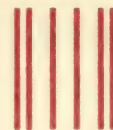
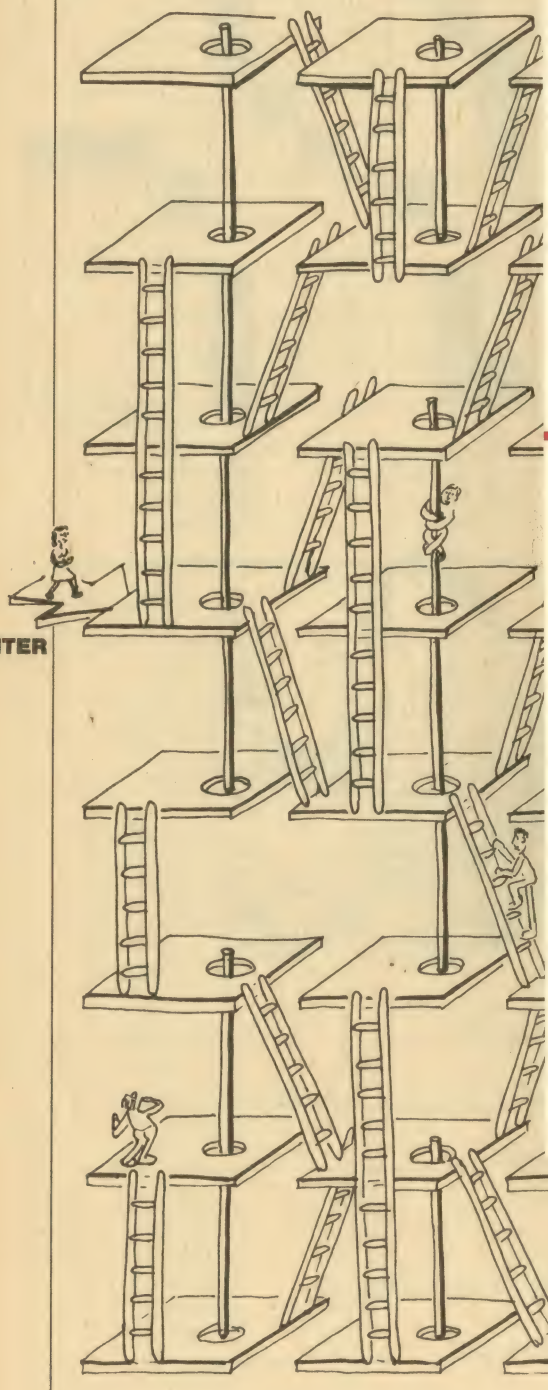


# Chutes and Ladders ★★

by Peter May

## An Eight-Story Maze

What goes up must come down, says the cliché necessarily by the same route. In this maze, to get from the starting point at left center to the exit at right, you must go up by using ladders, and down only by using chutes.



NO POSTAGE  
NECESSARY  
IF MAILED  
IN THE  
UNITED STATES

### BUSINESS REPLY CARD

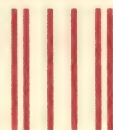
FIRST CLASS PERMIT NO. 6484 DES MOINES, IOWA

POSTAGE WILL BE PAID BY ADDRESSEE

# GAMES

P.O. Box 10147

Des Moines, Iowa 50347-0147



NO POSTAGE  
NECESSARY  
IF MAILED  
IN THE  
UNITED STATES

### BUSINESS REPLY CARD

FIRST CLASS PERMIT NO. 6484 DES MOINES, IOWA

POSTAGE WILL BE PAID BY ADDRESSEE

# GAMES

P.O. Box 10147

Des Moines, Iowa 50347-0147





# Machine Language ★★

from Newspaper Enterprise Association

## A Crossword Made by Computer

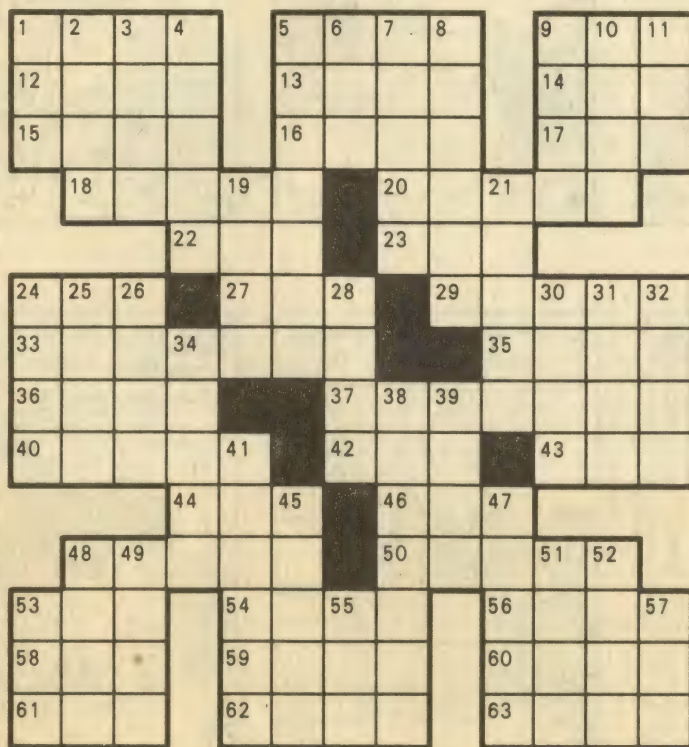
### ACROSS

- 1 Pleased  
5 College song  
9 Wish undone  
12 Hawaiian island  
13 Journey  
14 Auberge  
15 Arabian territory  
16 Raise  
17 On same side  
18 Beside (naut.)  
20 One of the senses  
22 Briny expanse  
23 House addition  
24 Young lion  
27 Genetic material  
29 Cede  
33 Let go  
35 Hauling wagon  
36 Esau's country  
37 Measles type  
40 Seedsman  
42 Over there

- 43 Cover with turf  
44 Male deity  
46 Animal park  
48 Wooden box  
50 Norwegian dramatist  
53 Spawn  
54 Church part  
56 Cravats  
58 Those in office  
59 Lids  
60 Cross inscription  
61 Understand  
62 State (Fr.)  
63 Vast period of time

### DOWN

- 1 Sticky stuff  
2 Mongolian monk  
3 Biblical king  
4 Sand hills  
5 Central Europeans  
6 Caustic substance  
7 Delete  
8 Creepily  
9 Well-heeled  
10 Entity  
11 Graduate of Annapolis (abbr.)  
19 Air (prefix)  
21 Move smoothly  
24 Signals  
25 Unfasten  
26 Uppercut  
28 Ethereal  
30 Cupid  
31 French composer  
32 Group of two  
34 Last Greek letter  
38 Muddiest  
39 High-hatter  
41 Revolve  
45 Train terminal  
47 Ancient port of Rome  
48 Ice cream holder  
49 Relax  
51 One (Ger.)  
52 Roman tyrant  
53 Arrange  
55 Watering place  
57 Go astray



Answer Drawer, page 66

## How It Was Done

For years we've constructed crosswords under the happy delusion that our work was far too sophisticated for a computer.

Now we learn what was until this spring a well-kept secret: Newspaper Enterprise Association, one of the nation's largest feature syndicates, distributes a computer-generated crossword to 600 daily newspapers around the country.

According to David Hendin, editorial director at NEA, the syndicate's crossword puzzle program was first developed by an outside consulting firm about eight years ago, and since then has been upgraded every three to six months. As the program now stands, the puzzle is constructed from a file of 30,000 to 40,000 words, each of which has been supplied with 2 to 20 definitions. To create a crossword, the computer is given one of NEA's 30 standard puzzle grids and a starting letter. The computer fills in the rest, numbers the grid, and provides each answer word with a definition. The program has a special feature that limits the number of times a single word can be used during a three-to-six-month period. The definitions are rotated so as not to repeat any one too often.

According to Hendin, the computer is cost-effective because its puzzles are cheaper than those made by human constructors, and it supplies camera-ready grids.

But what of the quality? We test-solved a week's worth of NEA puzzles and have to report that they did not make the heart race with excitement. The crosswords we like to work have fresh words and clues, a wide-open construction, a dash of humor and quirkiness, and, if possible, a novel theme to tie everything together. The NEA puzzles are themeless, consist mostly of short words, and contain definitions that appear to have been lifted whole out of an old crossword dictionary.

The program, too, has some problems. While it is sophisticated enough to avoid repeating a word in a puzzle (one of the taboos of crosswords), an NEA editor says it can't distinguish singular words from their plurals. When two forms of the same term appear in a grid, the puzzle must be fixed by hand or thrown out. And since words are chosen only for their fit in the grid, and the clues are used in strict rotation, a puzzle doesn't always maintain a consistent level of difficulty throughout. The corner of one supposedly easy puzzle we tried proved to be a killer.

Still, perhaps we should be comparing the NEA crossword to what preceded it rather than to what we would like it to be. According to Hendin, no one objected when the syndicate computerized the construction. In fact, it says something about the quality of the program that no one, apparently, even noticed.

Judge the quality for yourself. A recent NEA computer-made crossword appears at left. —W. S.



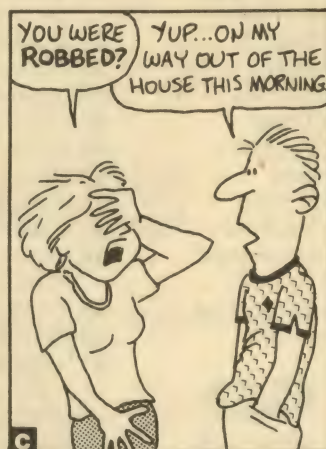
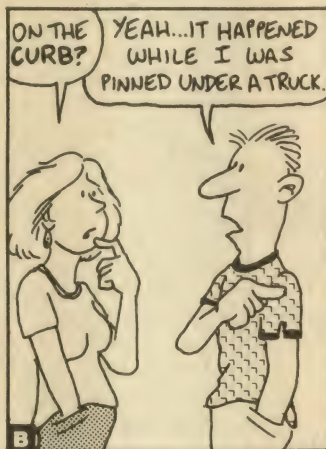
# "Please—Take My Wife!" ★★

No one would have found Henny Youngman funny if he had stood on stage and said "Please—take my wife." What makes a joke funny is the surprise punchline at the end. But when the punchline comes ahead of the story, there's no surprise, no humor, no joke. The three comic strips on these

pages suffer from a similar problem—the panels have been jumbled, making the punchlines punchless. Can you put them back in order? You may find more than one way to arrange a set in logical sequence, but only one route leads to the joke.

Answer Drawer, page 65

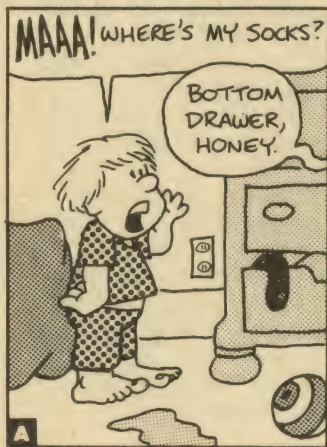
## WHAT'S NEW?



## THE WINNER



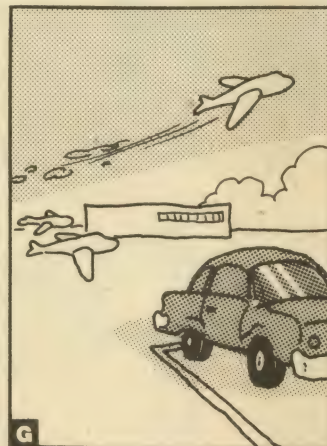
## MORNING RITUAL







1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_



1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_



1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_



Below are seven messages—consisting of pithy sayings, fascinating facts, and a cartoon gag—that have been translated into simple code alphabets. Letter substitutions remain constant throughout any one cipher, but change from one cipher to the next, and the level of difficulty increases as you progress. An asterisk (\*) indicates a proper noun.

Clues are given at the bottom of the page to provide assistance if you need it.

Answer Drawer, page 62

## 1. CRYPTOON

OX ZXYXYWXZXV YU  
WQZAOVBU LGZ B MOBJIX,  
WKA UGK TOGKFV TXX AOX  
HXQZV AZGNQMBF NFBJA  
OX IBEX YX.



## 2. THE GRAND PRIZE

S IR LDJ OJTJUSXSICQ KU I  
AZXVQ OCJIV ST LDJ  
NJTJLSXW WPJJYWLIVJW.  
—\*SWIIX \*IWSRKG.

## 3. PARADOX

LBN JPMX HKZN WCZJ  
TMTWMQ PGH RPQ BFUM  
HFWC, LBKVM BFXYN XKD-  
RPPHMQ GKAYX JMVKACHM  
GKA-APVP?

## 4. HOW'S TRICKS?

GHLDMDHO, TYBON KB  
UNHUDMFONU, DU ZOHVSN  
KB TNYRBYG GZMC USNDLCK  
BR CHOP JCDSN BZK BR  
UDLCK BR SHOP.

## 5. THAT'S TERRI-BULL

PRZF JVKBLGRB VNCB,  
FYRDCB SYVJ WYGM RBW  
HRLC TX QKJGB  
CBUYVQUQJCB, UYVHH  
DGZZCX LV SVYJ \*BCP \*XGO  
\*URLX.

## 6. NO COVER CHARGE

BDUMLQVC RM WGRQVZBL  
BRWV FDGNVH XZ WCXFSM  
RU QVZ XZ JSX MV BLRMU  
BRUM R ZVM LPVC BCRTVH  
BRUMRZVM NGRKVC.

## 7. NOSE TO THE BOOKS

BLJPHFV MKDJLCK LMHRLNM  
PCKXFBDXFV MZHHLX TFBL:  
WLKKLX \*TXFS'M \*FCFKZBS  
KRFC TXFGL FCFKZBS.

### TIPS AND CLUES

**Cipher 1:** Note the repetition of X in ciphertext OX, YX, TXX, and ZXYXYWXZXV. Try E.

**Cipher 2:** The one-letter words are I and A respectively. They should help you determine who \*SWIIX \*IWSRKG is.

**Cipher 3:** A question often begins with an interrogative like WHO, WHAT, WHERE, or WHY. For ciphertext LBN, in which a low-frequency N appears elsewhere only as the last letter of two words, try WHY.

**Cipher 4:** A letter that appears either in the first or last position of several two-letter words is often O.

**Cipher 5:** Ciphertext pattern CBUYVQUQJCB fits only one familiar word, and it ends in -ENT.

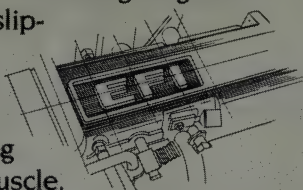
**Cipher 6:** Ciphertext V, appearing in the next-to-last position of seven words, is likely to be an E.

**Cipher 7:** A letter following an apostrophe is often S.



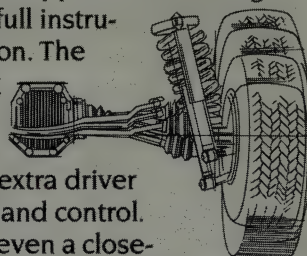
Take an open mountain road. Coiled and unforgiving. Add a sleek, slippery Celica GTS, bursting with muscle, agility and command performance. Fasten your seat belts, strap on your gloves. And look out. You're about to conquer the curves and tame the turns as it's never been done before.

For '84, Celica has even more inspired performance and obedient handling than ever before. Refinements to the front end, like fully retractable headlights and an enlarged front air dam, give Celica a drag coefficient of a mere .34 and sharp looks as it cuts through the wind. But that's not all. There are



MacPherson struts, variable assist power rack-and-pinion steering, independent rear suspension, and 4-wheel disc brakes. Plus extra wide steel belted radials on 14" x 7" aluminum alloy wheels. All this powered by an Electronically Fuel Injected 2.4 liter single overhead cam engine. It all adds up to a car that grabs attention as easily as it grabs the road.

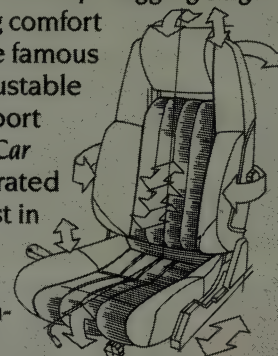
Inside, Celica GTS gives a no-nonsense approach to driving. There's full instrumentation. The steering wheel is padded for extra driver comfort and control. There's even a close-ratio 5-speed overdrive transmission, and a 5-speaker AM/FM/MPX



## OH WHAT A FEELING! TOYOTA

stereo with automatic power antenna. And for hip-hugging thigh-bolstering comfort there's the famous 8-way adjustable driver's Sport Seat that *Car and Driver* rated as the best in the business.\*

A breathtakingly exciting machine. Watch it turn you on as it takes its turns.



\* Car and Driver, January 1983.

BUCKLE UP—IT'S A GOOD FEELING!

# THE 1984 CELICA GTS. WITH PERFORMANCE LIKE THIS, ONE GOOD TURN DESERVES ANOTHER.



# AGILE!





# PRESENTING STER

IT'S ONLY A CIGARETTE  
LIKE BANG & OLUFSEN IS ONLY A STEREO.

Warning: The Surgeon General Has Determined  
That Cigarette Smoking Is Dangerous to Your Health.

BANG & OLUFSEN® is a trademark of Bang & Olufsen, Inc.  
which does not make or license STERLING® Cigarettes.

12 mg. "tar", 1.0 mg. nicotine av. per cigarette by FTC method.



# LING



Available in Regular  
and Menthol.



# BEAT KEN AT 'PUZZLEPANIC'<sup>TM</sup> AND BE HIS GUEST IN ATLANTIC CITY.



Ken Uston doesn't think you can solve his computer puzzle, "PUZZLEPANIC." But if you can, you'll have a chance to be his guest, all expenses paid, for a weekend in Atlantic City. If you're over 21 years old, Ken will show you the ins and outs of blackjack at Resorts International's fabulous casino. If you're under 21 years of age, Ken will take you on in the hotel's tremendous and well-equipped arcade, challenging you to every game in the place. Either way you can't lose. Conquer "PUZZLEPANIC" and take on the world famous Ken Uston in the bargain, but hurry, contest ends August 31, 1984.

Here's what you have to do: Solve each puzzle, figure out which symbol will correctly take you to the next puzzle (over 40 puzzles in all) then, use these symbols to find the solution to the Grand Puzzle. Ken will pick a winner from a drawing of all correct entries.

To enter, send your symbol chart listing the correct symbol for each puzzle, along with your name, address and telephone number to: PUZZLEPANIC CONTEST, c/o EPYX, Inc., 1043 Kiel Court, Sunnyvale, CA 94089.



**EPYX**  
COMPUTER SOFTWARE

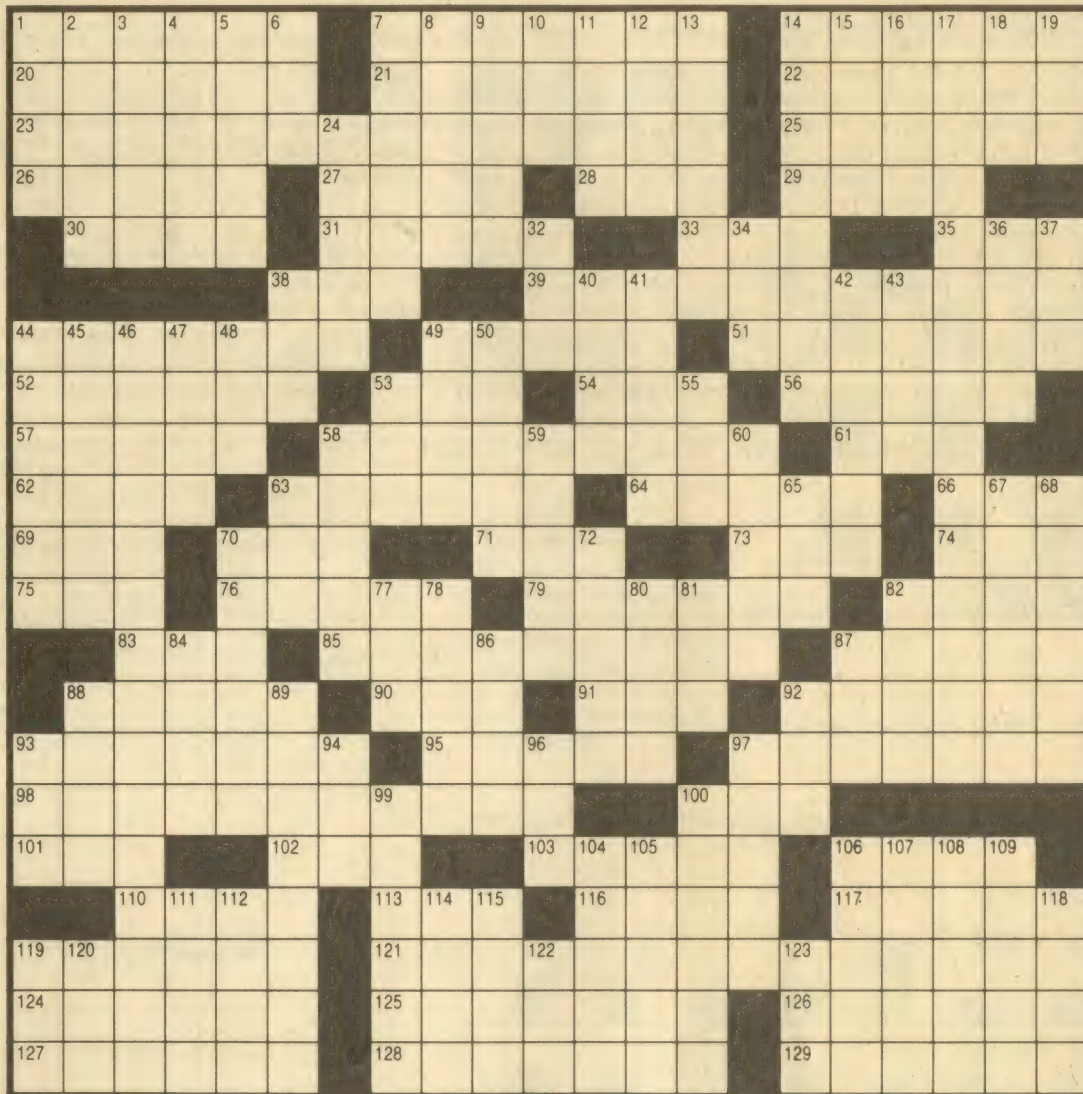
*Strategy Games for the Action-Game Player*

CONDITIONS: All entries must be postmarked by August 31, 1984. Incomplete entries will not be considered. Winner will be selected from a random drawing of all correct entries to be held on or before September 30, 1984. Winner will be notified by mail within 30 days of drawing. Contest void where prohibited by law. Contest restricted to Continental United States.



## ACROSS

- 1 League of Nations home
- 7 Come from behind
- 14 Batista's successor
- 20 Left
- 21 Puerto Rican port
- 22 Podiatry concern
- 23 Lennon-McCartney hyperbole
- 25 They're often stranded
- 26 Wintry weather
- 27 Doubles
- 28 Hindustani Mr.
- 29 Duplicate
- 30 First name in mysteries
- 31 Choreographer DeMille
- 33 Pack away
- 35 MS readers
- 38 Wee, by the Dee
- 39 Pass time?
- 44 Agrostologist's subjects
- 49 Mended, in a way
- 51 Hot, in Vegas
- 52 Caning need
- 53 Man-mouse connection
- 54 Natural item?
- 56 Blockade
- 57 Pale
- 58 Blackjack
- 61 Golf ball position
- 62 Word with coffee or window
- 63 Nonsmoker, perhaps
- 64 To the point
- 66 "Little word" in charades



- 69 Little, in Lille
- 70 Tranquillity, e.g.
- 71 \_\_\_\_ Paulo
- 73 Pitch in
- 74 "Demon" drink
- 75 Some dads: Abbr.
- 76 Of an arm bone
- 79 Maps-within-maps
- 82 Yugoslav national
- 83 Neighbor of Eur.
- 85 Zone defense, in basketball
- 87 Belle of the West
- 88 Sound of contempt
- 90 Abner's comedy partner
- 91 Born
- 92 Titanic message
- 93 Fast traveler, of a sort
- 95 Embellishes

- 97 Hunter's cry
- 98 Kids' card game
- 100 Its sequel was Ayesha
- 101 Coach Devine
- 102 Be off base
- 103 Of poor quality
- 106 Endure
- 110 El Cid's real name
- 113 Mornings
- 116 Per \_\_\_\_ (daily)
- 117 Poseidon's son
- 119 Car wash prop
- 121 Impossible problem
- 124 Word of warning
- 125 Bad off, financially
- 126 Throws in the pot
- 127 Directs
- 128 Played the vamp
- 129 Tweety Pie, e.g.

## DOWN

- 1 Haws' opposites
- 2 The Shah, in 1980
- 3 Neighbor of Mali
- 4 Lucy's pal
- 5 Sporty Chevy, for short
- 6 Total
- 7 One of the Five Nations
- 8 Match play?
- 9 Rib
- 10 Screw-loosening dir.
- 11 Speeds
- 12 "Deutschland \_\_\_\_ Alles"
- 13 Not as quick
- 14 Deck sights
- 15  $\pi r^2$ , for a circle
- 16 Sting
- 17 Elvis lyric
- 18 Type of pron.

- 19 CIA forerunner
- 24 Photographer Ansel
- 32 Actor Erwin
- 34 Bother
- 36 Remove, per the editor
- 37 NBC comedy show, for short
- 38 D.C. VIP
- 40 Actress Lamarr
- 41 Knucklehead
- 42 Struck squarely
- 43 Eins und zwei
- 44 Holds tightly
- 45 Bacon strip
- 46 Quantity of "things to do"
- 47 Increment
- 48 \_\_\_\_ Antonio
- 49 Cultivated
- 50 Track sections
- 53 Have obligations
- 55 Compass pt.
- 58 U of the U.N.

- 59 Gown part
- 60 Sonneteer's Muse
- 63 Animator's sheet
- 65 Mom's girl
- 67 "Yay!"
- 68 Baby-to-be
- 70 Oklahomal vehicle
- 72 Upright
- 77 Piercing tool
- 78 Golf hazard
- 80 Marie et Jeanne
- 81 Merino mother
- 82 Pillar: Prefix
- 84 Regular at Arnold's, with "the"
- 86 Overlook
- 87 Baseball's Maglie
- 88 Poet Teasdale
- 89 Eyebrow pluckers
- 92 \_\_\_\_ West
- 93 A succession?
- 94 Round Table address
- 96 W.W. II craft
- 97 Fines herbes ingredient
- 99 George's wife
- 100 Plastered
- 104 Kind of committee
- 105 Book spine item
- 106 "Whole \_\_\_\_ Loving" (Fats Domino song)
- 107 Nordic
- 108 Juneau's predecessor
- 109 Rapunzel's home
- 111 Bus Stop author
- 112 Catalyst of sorts
- 114 Educator Horace
- 115 Pronto, in a hospital
- 118 Inquisitive
- 119 '60s student grp.
- 120 Tamp
- 122 Greek's X
- 123 Pres. advisory grp.

Answer Drawer, page 64



## A Solitaire Word Game

The object of this game is to score as many points as possible by finding answer words with repeated letters. First think of an answer for each of the 10 categories (lettered A-J) and enter it in the upper row of spaces at the side. Each answer must be a single unhyphenated word of no more than eight letters. (For instance, STEPHEN KING would not be acceptable for category H, but KING would be OK.) When you've entered all 10 words, compute your score in the lower rows of spaces as follows: 1 point for the first use of a letter, 2 points for the second use of the same letter anywhere in the 10 words, 3 points for the third use, etc. (see scoring example at right). When you're done, you may be able to increase your total by replacing low-scoring words with better ones. A little change can make a surprising difference. Our highest scoring list is given in the Answer Drawer, page 64.

### Example

B	E	T	T	E	R				
1	1	1	2	2	1				8

S	C	O	R	I	N	G			
1	1	1	2	1	1	1			8

W	O	R	D	S					
1	2	3	1	2					9

TOTAL

25

A. Any word from the directions above .....

--	--	--	--	--	--	--	--	--	--

B. Major league baseball team .....

--	--	--	--	--	--	--	--	--	--

C. Term used in geometry .....

--	--	--	--	--	--	--	--	--	--

D. Flower .....

--	--	--	--	--	--	--	--	--	--

E. Foreign coin .....

--	--	--	--	--	--	--	--	--	--

F. Number .....

--	--	--	--	--	--	--	--	--	--

G. Word completing this phrase: \_\_\_ table .....

--	--	--	--	--	--	--	--	--	--

H. Famous author .....

--	--	--	--	--	--	--	--	--	--

I. U.S. state .....

--	--	--	--	--	--	--	--	--	--

J. Candy item .....

--	--	--	--	--	--	--	--	--	--

Good Score: 300    Expert's Score: 400    Our Best Shot: 497

TOTAL

--



# Cryptic Crossword ★★★

by Merl Reagle

The Warm-Up Puzzle at right contains all the basic types of clues you're apt to encounter in a cryptic crossword. Like all cryptic clues, each contains two parts: a direct or indirect definition of the answer and a second description of the answer through wordplay. The first step in solving a cryptic clue, and a great part of the fun, is to determine the dividing point between the parts. Consider some sample clues:

"Animal doctor is terribly naive trainer (12)." This is an example of an anagram clue. The word "terribly" suggests jumbling the letters of the adjacent words NAIVE TRAINER, to get the answer, VETERINARIAN (defined as "animal doctor"). An anagram clue always contains a word or phrase (like "crazy" or "in a heap") that suggests mixing or poor condition.

"Facial hair has to hurt (8)." Here you must join two short words to form the answer. "Has to" is MUST, "hurt" is ACHE, and the combination, MUSTACHE, is defined as "facial hair." This is known as a charade clue.

"It is held by a light brown giant (5)." The word IT is literally held by the word TAN ("a light brown") to form the answer, TITAN ("giant"). This is called a container clue.

"Monarchs in hiking shoes (5)." The answer, KINGS ("monarchs"), is literally found in the letters of "hiking shoes." This is an example of a hidden word.

"Open hot dog (5)." This is the most straightforward type of cryptic clue, since the answer is merely defined twice. The answer FRANK means both "open" and "hot dog."

Other tricks of solving have been explained in previous issues. If you are new to cryptic crosswords, start with the Warm-Up Puzzle at right and refer to the Answer Drawer for explanations.

## Warm-Up Puzzle for New Solvers ★

With detailed  
explanations in  
Answer Drawer, page 64

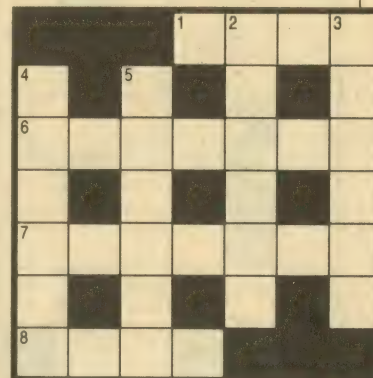
by Emily Cox and Henry Rathvon

### ACROSS

- 1 Monkeys with cassettes that won't start (4) *beheadment*
- 6 Marx brother performing with spear (7) *charade*
- 7 Awfully tedious in the open air (7) *anagram*
- 8 Return cart three feet (4) *reversal*

### DOWN

- 2 Monetary gain for seer, reportedly (6) *homophone*
- 3 Vocalist is one who burns? (6) *second definition*
- 4 They must keep alternative proposition (6) *container*
- 5 Speaker in moratorium (6) *hidden word*

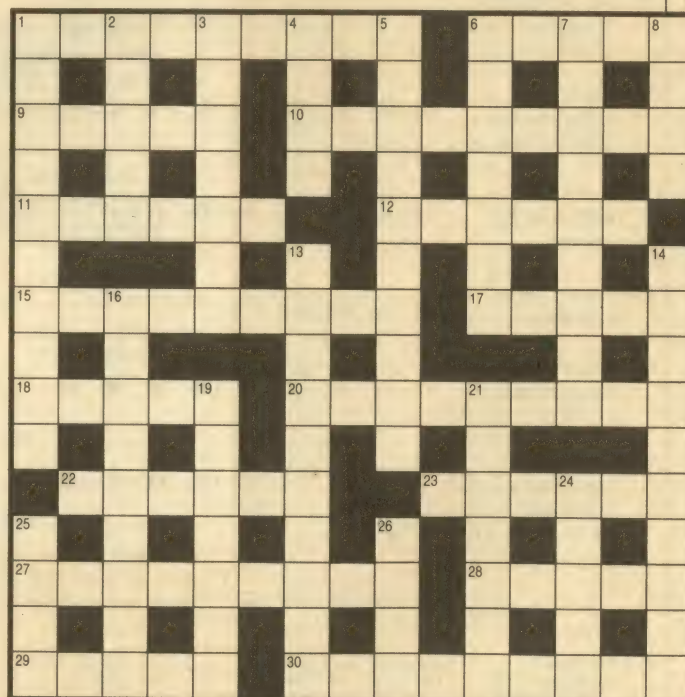


### ACROSS

- 1 Kitchen appliance for 1001 Blackbird Avenue (9)
- 6 Genius: Britain lacks it (5)
- 9 Not quite enough for container in street (5)
- 10 *That Girl's* broadcast in a twinkling? (9)
- 11 Choice potion has first couple swapping places (6)
- 12 They're generous to soldier with unfinished poetry (6)
- 15 Point to one sick Democratic leader (3,6)
- 17 Charo arranged "La Cucaracha" in English (5)
- 18 Scandinavian right in front of airplane (5)
- 20 Cassettes rewound for experiments (4,5)
- 22 Hop madly with endless prejudice and fear (6)
- 23 Grab a customer concealing a calculator (6)
- 27 Snakes cried—that's bleak (9)
- 28 Teacher shows tailless bunny (5)
- 29 Run-down witness with Dick York's initials (5)
- 30 / *Spy* agent converted Tut's followers (9)

### DOWN

- 1 *M is for Melody* is a disaster (10)
- 2 Fixed tacos and roll (5)
- 3 *Our Town* reviewed as trite (7)
- 4 Radical socialist advertises, too (4)
- 5 Preacher gets an evil reformed (10)
- 6 South American hero, 54, trapped by pig (7)
- 7 Grain sale upset certain Africans (9)
- 8 Stagger up to lunatics (4)
- 13 Asian navies meet secretly (10)
- 14 High spots marred by South Sea derelicts (5,5)
- 16 Sit on broken cane, maybe (9)
- 19 Polluted mess by a diplomat's home (7)
- 21 Nude appearing in Kitty's nightclub (7)
- 24 Cora holds head of black snake (5)
- 25 Sheep exercise, we hear (4)
- 26 James Taylor has to wait (4)



Answer Drawer, page 65



# Double Cross ★★

by Michael Ashley

Answer the clues for words to be entered on the numbered dashes. Then transfer the letters on the dashes to the correspondingly numbered squares in the puzzle grid to spell a quotation reading from left to right. Black squares separate

words in the quotation. Work back and forth between grid and word list to complete the puzzle. When you are done, the initial letters of the words in the word list will spell the author's name and the source of the quotation. *Answer Drawer, page 68*

1E	2H		3U	4R	5M		6D	7N		8L	9W	10E		11C	12O	13H	14S		15P	16B	17N	
18G	19M	20K	21R		22M	23E	24N	25F	26V	27L	28A	29B	30T	31E	32K	33M		34G	35V	36I		37P
38U	39L	40F	41N	42G	43R	44S	45V	46C	47K		48I	49L	50M	51G	52O	53D		54W	55V		56N	57D
58U		59W	60P	61G	62L	63V	64K	65U		66D	67T	68E	69S		70J	71R	72P	73D	74V	75C	76E	77N
78T		79A	80J		81D	82G	83B	84Q		85N	86J	87R	88U	89M		90G	91E	92T	93A		94G	95M
96R		97O	98J	99U	100Q	101H	102K		103U	104J	105H	106V	107M	108N		109L	110S	111I	112A	113G	114T	115Q
	116D	117F	118C		119J	120V	121L	122S	123E	124R		125J	126G	127F	128C		129V	130C	131N		132P	133O
134C	135B		136H	137L		138J	139A		140T	141C	142O	143W	144R	145I	146H	147L	148B	149S		150C	151T	152Q
153P		154C	155G	156M	157R	158H	159W	160E	161V	162O	163F	164B		165D	166T	167O		168V	169Q	170N	171M	
172E	173K		174L	175H	176I	177S	178Q	179D		180O	181C	182R	183N	184H	185W							

A. Builds muscles  
(with "up")

28 79 93 112 139

B. Jeer, as a  
speaker

16 29 83 135 148 164

C. Nickname for  
Virginia  
(2 wds.)

11 46 75 118 130 150 181 141 154  
134 128

D. Capable of  
being shaped  
by a hammer

66 165 57 179 81 116 6 53 73

E. Functional in  
every climate  
(hyph.)

160 10 123 1 23 172 31 91 76 68

F. Commonest  
dice roll

25 40 163 127 117

G. Trigonometry,  
calculus, etc.

18 34 94 126 61 155 82 90 51  
113 42

H. Cabinet  
department  
created in  
1979

2 13 101 105 136 146 158 175 184

I. LPs

36 145 48 176 111

J. Adverse;  
improper

138 80 86 104 125 98 119 70

K. Most cunning

20 32 47 64 102 173

L. Fellow workers

8 27 39 49 62 109 121 137 147 174

M. Druggist

107 22 19 171 95 5 50 156 89 33

N. In a wicked  
manner

77 17 170 56 24 183 85 131 41  
108 7

O. Yellow,  
trumpet-shaped  
flower

12 52 97 142 133 167 162 180

P. Overthrow, as  
a government

15 37 60 72 132 153

Q. Raspy voiced

84 100 178 152 115 169

R. 1970 Ray  
Stevens hit  
"\_\_\_ Is  
Beautiful"

71 182 96 4 124 21 87 43 144 157

S. Tearfully  
whiny

14 110 177 44 69 122 149

T. Musical  
writing

30 67 78 92 114 140 151 166

U. Legislative  
body

3 65 103 88 99 38 58 129

V. Without  
clear bounds

26 35 168 120 55 63 74 106 161 45

W. Behind, in  
competition

9 54 59 143 159 185

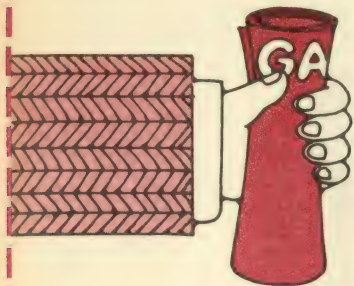


# Word Pyramid★★ by Will Shortz

**FOLD THIS PAGE**

## The World's Limerick Pyramid

by Emily Cox  
and Henry Rathvon



SHARE  
THE  
FUN...  
GIVE



**GAMES**

1 year (12 issues) only **\$15.97**

### SEND BILL TO:

NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

☐ Also enter  
or extend  
my own  
subscription  
at this rate.

### SEND GIFT TO:

NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

Please allow 4-8  
weeks for delivery  
of first issue.

For foreign and  
Canadian orders  
add \$3.00 per  
subscription.

### SEND GIFT TO:

NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

List additional  
gifts on separate  
sheet and enclose.

☐ Payment enclosed. ☐ Bill me later.

Charge to: ☐ Visa ☐ MasterCard

Expiration Date: \_\_\_\_\_ Account #: \_\_\_\_\_

Signature \_\_\_\_\_

W5T18

FOR FASTER SERVICE, CALL TOLL-FREE 1-800-852-5000 EXT. 302

this and the next two pages has two inde-  
ques: "Hard" and "Easy." First, fold this  
dashed line so the clues below face the  
ge 43. If you use only the Hard Clues (ap-  
continuing under the grid), you'll find the  
y challenging. If you want help, or prefer  
enge, open to the Easy Clues (tucked in  
on page 42):

**ES ★★★**

- |  |                                       |
|--|---------------------------------------|
| 64 Hoards<br>of wealth                           | 101 Fourth line of the<br>limerick    |
| 65 Mrs. McCartney                                | 105 Fleming's<br>namesakes            |
| 66 Leer<br>lasciviously                          | 106 Raiser<br>of Cain                 |
| 67 _____ House<br>(Dickens novel)                | 107 Hooch                             |
| 68 Malibu or Monte<br>Carlo                      | 108 "Never mind"                      |
| 69 Horse of the<br>Year,<br>1974-76              | 111 She went to<br>Paris              |
| 70 Born in<br>Bourbon                            | 113 Jor-El's<br>portrayer             |
| 71 Palm off                                      | 116 _____ Boot                        |
| 72 Come into<br>being                            | 119 Added<br>zest to                  |
| 73 Goes on<br>patrol                             | 120 Loses verbal<br>control           |
| 74 Third line of<br>the limerick                 | 122 Loses the<br>point                |
| 79 Fetter  | 123 Quarter<br>fraction               |
| 82 Responds to an<br>insult                      | 124 Teton tree                        |
| 83 What some keys<br>are made of                 | 125 Cap for a Little<br>Rascal        |
| 84 Gunpowder, for<br>one                         | 126 Chiang Ching-<br>kuo's<br>capital |
| 87 Curved<br>connectors                          | 127 Brainy<br>bunch                   |
| 88 The bird, in<br><i>Peter and the<br/>Wolf</i> | 128 Last line of the<br>limerick      |
| 89 Premiere                                      | 132 Lao-tse's<br>"way"                |
| 90 See limerick                                  | 133 Spruce up                         |
| 91 Yogi's<br>position                            | 134 Rake over the<br>coals            |
| 92 Meal at<br>MacDonald's?                       | 135 Doped,<br>perhaps                 |
| 94 Served<br>generously                          | 136 Polar worker                      |
| 96 Auto racer<br>Guthrie                         | 137 Goober's<br>cousin                |
| 97 Nathan Detroit's<br>lady                      | 138 Lock                              |
| 98 Freed from the<br>clink                       | 139 Worshipers                        |
| 99 As <i>You Like It</i><br>wench                |                                       |
| 100 French<br>boss                               |                                       |

### DOWN

- 1 Wanted in the  
worst way  
2 Take umbrage at  
3 Chickaree's  
snack

- the limerick  
57 Owns up  
58 Role for Emma  
Calvé  
59 People of  
Unalaska  
60 Pre-conversion  
Apostle  
62 Unsuccessfully  
diets?  
63 John (words)  
and Paul (music)



Answer the clues for words to be entered in the grid. Then transfer the letters on the grid to the correspondingly numbered squares in the puzzle. The quotation reading from left to right. Black squares are indicated by black squares in the grid.

1E	2H		3U	4R	5M		6D
18G	19M	20K	21R		22M	23E	24
38U	39L	40F	41N	42G	43R	44S	45
58U		59W	60P	61G	62L	63V	64
78T		79A	80J		81D	82G	83
96R		97O	98J	99U	100Q	101H	10
	116D	117F	118C		119J	120V	12
134C	135B		136H	137L		138J	13
153P		154C	155G	156M	157R	158H	15
172E	173K		174L	175H	176I	177S	17

- A. Builds muscles (with "up") 28 79 93 112 139
- B. Jeer, as a speaker 16 29 83 135 148
- C. Nickname for Virginia (2 wds.) 11 46 75 118 130
- D. Capable of being shaped by a hammer 66 165 57 179 81
- E. Functional in every climate (hyph.) 160 10 123 1 23
- F. Commonest dice roll 25 40 163 127 117
- G. Trigonometry, calculus, etc. 18 34 94 126 61
- H. Cabinet department created in 1979 2 13 101 105 136
- I. LPs 36 145 48 176 111
- J. Adverse; improper 138 80 86 104 125 98 119 70
- K. Most cunning 20 32 47 64 102 173
- L. Fellow workers 8 27 39 49 62 109 121 137 147 174

NO POSTAGE  
NECESSARY  
IF MAILED  
IN THE  
UNITED STATES

**BUSINESS REPLY MAIL**  
FIRST CLASS PERMIT NO. 6484 DES MOINES, IOWA

POSTAGE WILL BE PAID BY ADDRESSEE

**GAMES**

P.O. Box 10147  
Des Moines, Iowa 50347-0147

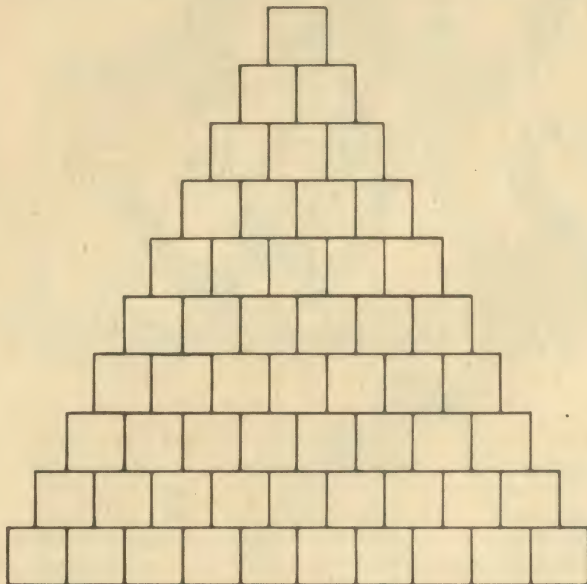
- T. Musical writing 30 67 78 92 114 140 151 166
- U. Legislative body 3 65 103 88 99 38 58 129
- V. Without clear bounds 26 35 168 120 55 63 74 106 161 45
- W. Behind, in competition 9 54 59 143 159 185



## Word Pyramid★★ by Will Shortz

This puzzle is for anagram fanciers. Each of the 10 answer words in the pyramid will contain all the letters of the answer above it plus one. Clues appear below the grid in random order.

Answer Drawer, page 68



- Specialist doctor
- \_\_\_ participle
- Most appropriate
- Article
- Sudden outpouring
- Kind of tube
- \_\_\_ once (immediately)
- Oolong vessels
- Eavesdropping device
- Irish produce

## Tree Lines★★ by Lou Cortina

Can you connect all 24 trees (represented by dots below) using exactly eight straight lines that are linked to form one continuous path? The end of the last line must join to the start of the first, and your chain must not cross over or under the boulder.

Answer Drawer, page 62



## FOLD THIS PAGE

## The World's Most Ornerly Crossword

by Emily Cox  
and Henry Rathvon

### Blank Verse

The crossword on this and the next two pages has two independent sets of clues: "Hard" and "Easy." First, fold this page back on the dashed line so the clues below face the solving grid on page 43. If you use only the Hard Clues (appearing below and continuing under the grid), you'll find the puzzle uncommonly challenging. If you want help, or prefer a less severe challenge, open to the Easy Clues (tucked in beneath your fold on page 42).

### Hard Clues★★★

#### ACROSS

- |                                   |   |                                |
|-----------------------------------|---|--------------------------------|
| 1 Junior rockers                  | 65 Mrs. McCartney                         | 105 Fleming's namesakes        |
| 8 Taper's opposite                | 66 Leer                                   | 106 Raiser of Cain             |
| 13 Blubbers                       | 67 ___ House (Dickens novel)              | 107 Hooch                      |
| 18 Home for M*A*S*H               | 68 Malibu or Monte Carlo                  | 108 "Never mind"               |
| 21 Catch the kickoff              | 69 Horse of the Year, 1974-76             | 111 She went to Paris          |
| 22 A couple of steins             | 70 Born in Bourbon                        | 113 Jor-El's portrayer         |
| 24 Nickname akin to Patty         | 71 Palm off                               | 116 ___ Boot                   |
| 25 Tiller?                        | 72 Come into being                        | 119 Added zest to              |
| 26 First line of a limerick       | 73 Goes on patrol                         | 120 Loses verbal control       |
| 30 Pizzazz                        | 74 Third line of the limerick             | 122 Loses the point            |
| 31 Foxy ladies?                   | 75 Fetter                                 | 123 Quarter fraction           |
| 32 Noted swing trombonist         | 76 Responds to an insult                  | 124 Teton tree                 |
| 33 Blotto                         | 77 What some keys are made of             | 125 Cap for a Little Rascal    |
| 34 Suffix akin to ess and ix      | 78 Gunpowder, for one                     | 126 Chiang Ching-kuo's capital |
| 35 Clammy?                        | 79 Curved connectors                      | 127 Brains bunch               |
| 36 Charge against Galileo         | 80 The bird, in <i>Peter and the Wolf</i> | 128 Last line of the limerick  |
| 37 Riparian frolickers            | 81 Premiere                               | 132 Lao-tse's "way"            |
| 38 Sot shakers?                   | 82 See limerick                           | 133 Spruce up                  |
| 39 Obvious                        | 83 Yogi's position                        | 134 Rake over the coals        |
| 40 Tropical bird                  | 84 Meal at MacDonald's?                   | 135 Doped, perhaps             |
| 41 Groggy from insomnia           | 85 Served generously                      | 136 Polar worker               |
| 42 Burger orderer's request       | 86 Auto racer Guthrie                     | 137 Goober's cousin            |
| 43 1981 Jean-Jacques Beineix film | 87 Nathan Detroit's lady                  | 138 Lock                       |
| 44 Sweetheart                     | 88 Freed from the clink                   | 139 Worshipers                 |
| 45 Second line of the limerick    | 89 As <i>You Like It</i> wench            |                                |
| 57 Owns up                        | 90 French boss                            |                                |
| 58 Role for Emma Calvé            |   |                                |
| 59 People of Unalaska             |   |                                |
| 60 Pre-conversion Apostle         |   |                                |
| 62 Unsuccessfully diets?          |   |                                |
| 63 John (words) and Paul (music)  |   |                                |

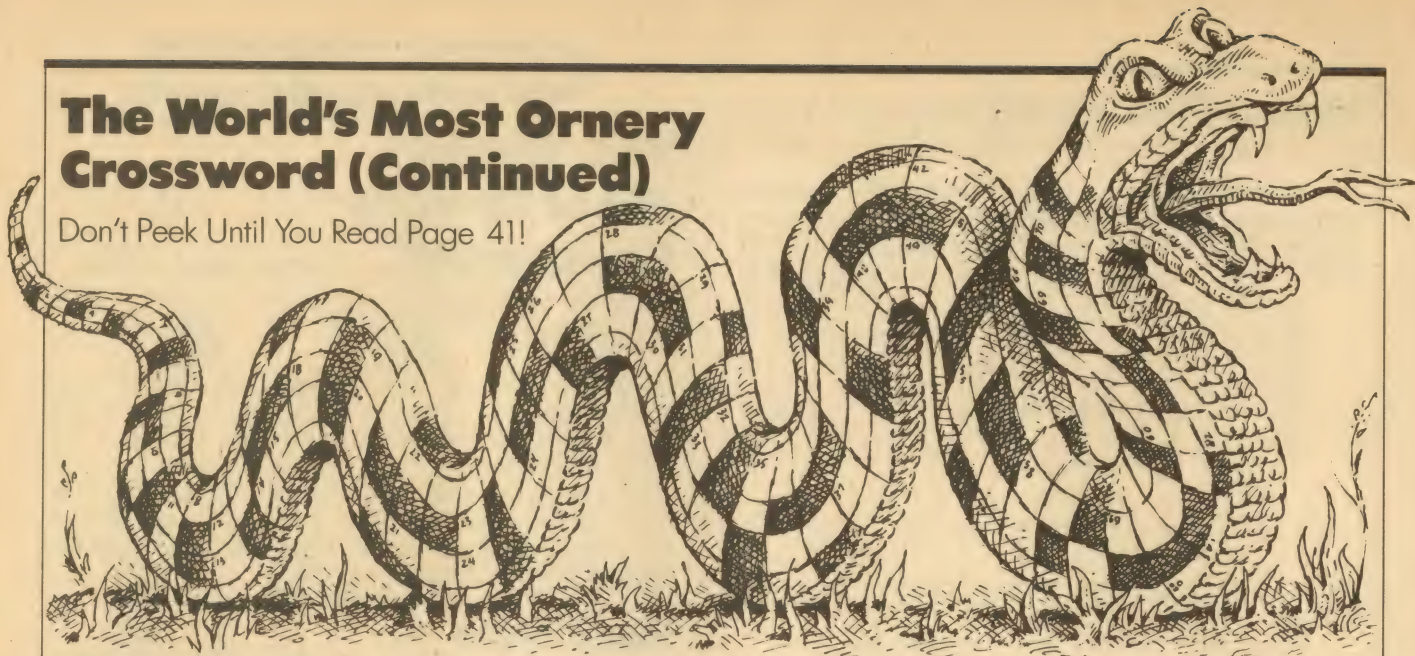
#### DOWN

- 1 Wanted in the worst way
- 2 Take umbrage at
- 3 Chickaree's snack



# The World's Most Ornerly Crossword (Continued)

Don't Peek Until You Read Page 41!



## Easy Clues ★

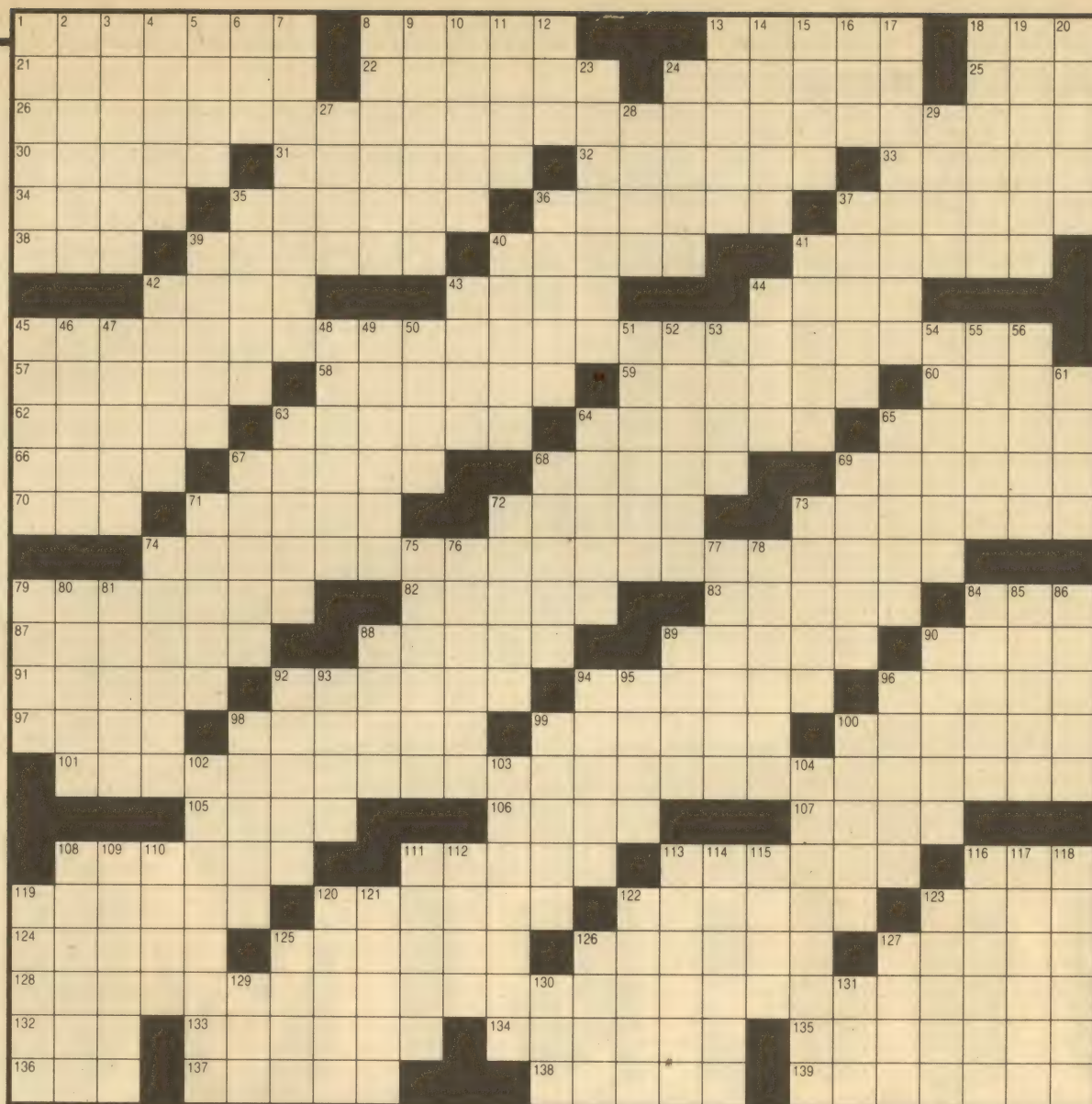
### ACROSS

- 1 Tots' cots  
8 Motorist's distress signal  
13 Weeps  
18 Rival of ABC and NBC  
21 Get, as a gift  
22 Some beers  
24 Girl's nickname (A SHIRT anag.)  
25 Garden tool  
26 First line of a limerick: 5 wds.  
30 Liveliness  
31 Shrewish women  
32 Big band leader Tommy  
33 Lubricated  
34 Feminine suffix  
35 Unspeaking  
36 Unorthodox belief  
37 Weasels' cousins  
38 Wino's ailment: Abbr.  
39 Inventor's protection  
40 Long-tailed parrot  
41 Sleepy-eyed  
42 Ghana's neighbor  
43 Prima donna  
44 \_\_\_\_ Geste  
45 Second line of the limerick: 5 wds.  
57 Allows to enter  
58 Opera set in Seville  
59 Arctic island residents  
60 Author Bellow  
62 Profits  
63 Legree and Bolivar  
64 Treasure finds  
65 Singer Ronstadt  
66 Look lecherously  
67 Cheerless  
68 Comic Chase  
69 Do without  
70 Born: Fr.  
71 Impose fraudulently (upon)  
72 Get out of bed  
73 Luxury voyages  
74 Third line of the limerick: 6 wds.  
79 Handcuff  
82 Open-handed blows  
83 "\_\_\_\_ and Ivory" (Wonder-McCartney song)  
84 Briton's afternoon drink  
87 Horseshoe-shaped fasteners  
88 Relative of the piccolo  
89 Actor's first appearance  
90 See last line of the limerick  
91 Water lily  
92 Fodder, when stored  
94 In a pile  
96 Leigh of *Psycho*  
97 Good fortune  
98 Leapt  
99 Actress Hepburn  
100 \_\_\_\_ d' (headwaiter)  
101 Fourth line of the limerick: 5 wds.  
105 Scottish Johns  
106 First man  
107 Booze: Sl. (in VALKYRIES)  
108 "Don't bother": 2 wds.  
111 Actress Hayes  
113 *The Godfather's* Marlon  
116 Prosecutors: Abbr.  
119 Seasoned  
120 Says without thinking  
122 Makes dull  
123 Penny  
124 Western pine tree (NO PIN anag.)  
125 Propeller-topped cap  
126 Capital of Taiwan  
127 High-IQ group  
128 Last line of the limerick: 6 wds.  
132 "The way," in Chinese religion (OAT anag.)  
133 Tidy up  
134 Hurt with heat (SHE-CAT anag.)  
135 Tranquilized  
136 Sprite  
137 Mayberry's Pyle  
138 Ringlet of hair  
139 Ardent fans

### DOWN

- 1 Had a yen for  
2 Be offended by  
3 Oaks-to-be  
4 Dig  
5 *Saturday Night*  
6 Partner of 106-Across  
7 One who waits on another (OVERT SIR anag.)  
8 Straw-colored  
9 Song of sorrow  
10 Actor's "ten-percenter"  
11 Cincinnati team  
12 Sea bird (in PIMPERNEL)  
13 See fourth line of the limerick  
14 *The Life of* \_\_\_\_ (old TV show)  
15 "Do as \_\_\_\_," not as \_\_\_\_: 2 wds.  
16 Slightly-deaf person's remarks  
17 One who wrecks the works  
18 Irritability (OCHER + L anag.)  
19 The \_\_\_\_ Boys (old movie gang)  
20 Transmits  
23 Motorcycle passenger's seat  
24 Hurler  
27 Cleopatra's river  
28 Girl's name (A ROC anag.)  
29 Actress Hayworth  
35 Stories of heroes  
36 Safe place  
37 Some Norwegian kings (FA SOL anag.)  
39 Rhymesters  
40 Teeny critters  
41 Harvard vegetables  
42 Strong string  
43 \_\_\_\_ Yankees  
44 Ocean hue  
45 Cart  
46 Wise saying  
47 Grin  
48 Most frosty  
49 Former Jet Joe  
50 Understand, as in *Strangers in a Strange Land*  
51 Most uncommon  
52 "\_\_\_\_ Parade": 3 wds.  
53 Group of quail  
54 Brother of Isis  
55 Fades, as day  
56 Jostle with the elbow  
61 Neighbor of Vietnam  
63 Trombone part  
64 Grows sparse  
65 Crummy  
67 Bubbles, as water  
68 Crinkly fabric or paper  
69 Facade  
71 "Just the \_\_\_\_," ma'am  
72 Playing marble  
73 Cirrus or cumulus  
74 Silky-coated dog (U.K. SAIL anag.)  
75 Rhode \_\_\_\_  
76 Nancy's comic strip boyfriend  
77 Indian's home: Var.  
78 Convent buildings  
79 \_\_\_\_ over (consider)  
80 Man \_\_\_\_ town  
81 Knife mark  
84 Masked Man's sidekick  
85 Wide-mouthed pitchers  
86 Poker wagers  
88 Filled pastry (in DEAF LANGUAGE)  
89 Unlit  
90 Cow farm  
92 Used money  
93 Wraths  
94 Maugham's *Of* \_\_\_\_ *Bondage*  
95 Mild yellow cheese  
96 \_\_\_\_-lantern  
98 Somber  
99 South American mountains  
100 Card combinations in pinochle  
102 Maturing  
103 Mondale and Matthau  
104 Decimal part of a logarithm (SAINT SAM anag.)  
108 Of the backbone  
109 "What \_\_\_\_ Fool Am I?": 2 wds.  
110 Religious statue  
111 Province in China  
112 CBS's Severeid  
113 *Bounty* captain and others  
114 Indian coins (PERUSE anag.)  
115 Dill herb (NEAT anag.)  
116 Be a sign of  
117 Solution  
118 Gets to one's feet  
119 Unusually active period  
120 Actress Davis  
121 Stratum  
122 Moisten a roast  
123 Tree of Lebanon  
125 Laser ray  
126 Russian ruler of old  
127 "Love \_\_\_\_" (Beatles song): 2 wds.  
129 Recent: Prefix  
130 Sept.-Nov. connector  
131 AMA subj.





Answer Drawer, page 68

## Hard Clues (cont'd)

- |                    |                          |                        |                         |                      |                     |
|--------------------|--------------------------|------------------------|-------------------------|----------------------|---------------------|
| 4 Search           | 20 Enraptures            | 49 "Broadway Joe"      | 76 Nancy's              | 99 World's longest   | 115 "... in ____    |
| 5 Full of volts    | 23 Place for a           | 50 Dig, à la Heinlein  | boyfriend               | range                | I seek to hold      |
| 6 Three-faced      | biker's buddy            | 51 Least well done     | 77 Conical domicile     | 100 Puts one's cards | the wind":          |
| woman?             | 24 Lost intentionally    | 52 ____ <i>Mystery</i> | 78 Prior locations      | on the table         | Wyatt               |
| 7 Jeeves type      | 27 Rosetta's river       | (radio show)           | 79 Funnyman             | 102 Turning red,     | 116 Mean            |
| 8 Like linen       | 28 Mrs. Dithers          | 53 Female flock        | Martin                  | perhaps              | 117 What you're     |
| threads            | 29 <i>Educating</i> ____ | 54 Son of Nut          | 80 Roughly              | 103 <i>20/20's</i>   | after               |
| 9 Jeremiad         | (1983 movie)             | 55 Tapers off          | 81 Step in ranking      | Barbara              | 118 Bleachers       |
| 10 Cloak-and-      | 35 <i>Edda</i> tales     | 56 Friendly push       | 84 Scout rider          | 104 1982 John        | 119 Sudden          |
| dagger donner      | 36 Port in a storm       | 61 Mekong country      | 85 Water bearers        | Fowles work          | outpouring          |
| 11 Beatty film     | 37 <i>Heimskringla</i>   | 63 Arrive at home,     | 86 Stakes               | 108 Sort of column   | 120 Singer Midler   |
| 12 Coastal flyer   | characters               | in a way               | 88 Spanish custard      | 109 Somewhat         | 121 Busy hen?       |
| 13 See limerick    | 39 Frost and Burns       | 64 Wafers              | 89 Kind of room or      | 110 Sacred           | 122 Sew so-so?      |
| 14 The Hoosier     | 40 Tiny arachnids        | 65 Miserable           | horse                   | symbol               | 123 Relative of the |
| Poet               | 41 Borscht base          | 67 Is furious          | 90 Milkshop?            | 111 Chinese cooking  | pine                |
| 15 "What'd ____"   | 42 Wrap around,          | 68 Pancake             | 92 Whiled away          | style                | 125 Smile proudly   |
| (Ray Charles       | as ivy                   | 69 Line on the         | 93 Piques               | 112 Heiden of the    | 126 Feodor,         |
| song)              | 43 "x*?!"                | weather map            | 94 <i>Planet of the</i> | 1980 Olympics        | for one             |
| 16 Requests to     | 44 X-rated               | 71 The poop            | <i>Apes</i> slave       | 113 Charles          | 127 "Love ____"     |
| come again?        | 45 Conestoga, e.g.       | 72 5½-point type       | 95 Town of the          | Laughton, Trevor     | (Beatles song)      |
| 17 1942 Hitchcock  | 46 Saw                   | 73 Red ____ (Oglala    | ijsselmeer              | Howard, and          | 129 New             |
| thriller           | 47 Cheesy                | Sioux chief)           | 96 Paul Bunyan's        | Anthony Hopkins      | beginning?          |
| 18 Irascibility    | expression?              | 74 Gazelle hound       | dog                     | 114 Payments in      | 130 Fall mo.        |
| 19 Derelict street | 48 Most chilly           | 75 Man or no man?      | 98 Grave                | Pakistan             | 131 ____ school     |






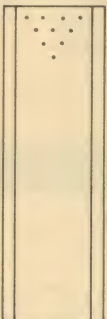
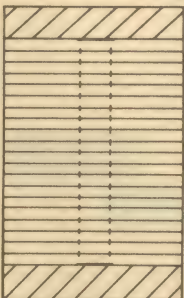

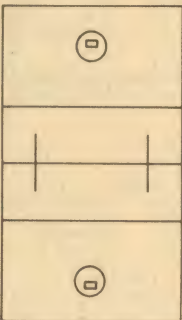

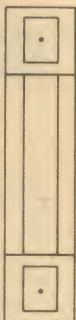


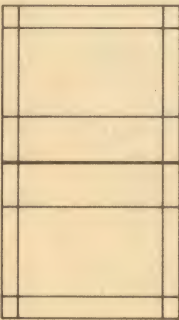

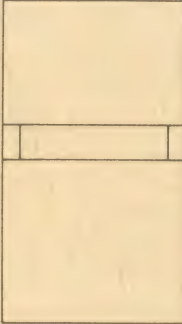


# Court Appearances ★☆

by Jacques Fields

For this court case, you're both judge and jury. The diagrams below are bird's-eye views of 16 playing fields. Can you name the game or sport played on each of them? If neces-

sary, you can appeal to the higher authority: Answer Drawer, page 68.

<p><b>1.</b></p> 	<p><b>2.</b></p> 	<p><b>3.</b></p> 	<p><b>4.</b></p> 
<p><b>5.</b></p> 	<p><b>6.</b></p> 	<p><b>7.</b></p> 	<p><b>8.</b></p> 
<p><b>9.</b></p> 	<p><b>10.</b></p> 	<p><b>11.</b></p> 	<p><b>12.</b></p> 
<p><b>13.</b></p> 	<p><b>14.</b></p> 	<p><b>15.</b></p> 	<p><b>16.</b></p> 

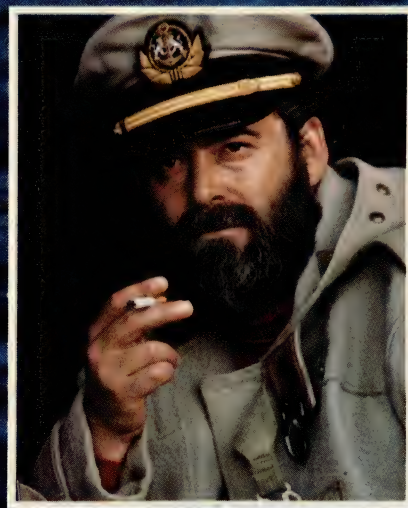




Reach for a world of flavor.

# MERIT

Low tar  
Kings & 100's.



© Philip Morris Inc. 1984

Warning: The Surgeon General Has Determined  
That Cigarette Smoking Is Dangerous to Your Health.

Kings: 9 mg "tar," 0.6 mg nicotine — 100's Reg: 11 mg "tar," 0.7 mg nicotine —  
100's Men: 10 mg "tar," 0.7 mg nicotine av. per cigarette, FTC Report Mar '84

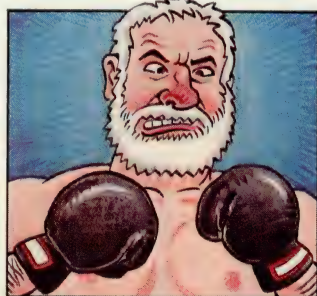


# Ploys in the Attic<sup>☆☆</sup>

**F**or months, Jeremy Piltdown, that master of mendacity, had been trying unsuccessfully to get someone to fall for his flimflam. This prolonged slump was making him miserable. So Jeremy retired to his attic, sifting through musty files of odd-but-true facts and mustier piles of totally bogus items he had dreamed up for the sake of bamboozlement. Stashing a stack of this trivia in his briefcase, he ambled over to the GAMES offices to see if he could dupe us. We admit to being stumped. Can you help us figure out which of the following titillating tidbits are true and which are pure fiction?

Answer Drawer, page 62

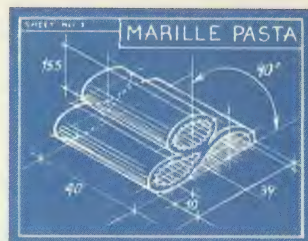
**Purr-fect Soldiers** The army is always looking for a few good men—and a few good cats, too. Believing that cats, with their light-sensitive eyes, could guide soldiers at night, the U.S. Army shipped a corps of felines to Vietnam in 1968. According to an army report, the first time a human squad moved out, the cats scampered off, leading the troops on a merry chase for mice and birds. When forced to march in the same direction as a patrol, the cats would stalk and attack the straps dangling from the packs of soldiers in front of them. And the finicky recruits tended to go AWOL at the merest approach of rain clouds. Fortunately, there are no cats in today's all-volunteer army.



## The Kayoed Generation

Ernest Hemingway was equally proud of his reputation as a writer and of his abilities as a boxer. During his lifetime, Hemingway recorded knockouts over many of his literary brethren, including F. Scott Fitzgerald, but his most embarrassing bout took place against a woman. In 1924, Hemingway, his wife Mary, Gertrude Stein, and Alice B. Toklas were drinking in a Paris bistro, when Toklas began criticizing Hemingway's work. After more drinks, the argument continued in Hemingway's home. Now thoroughly drunk, Hemingway said something particularly insulting to Toklas, who threw a short right hook that landed on Papa's nose, stunning him. Later, Stein sent him this unsigned note: "A bloody nose is a bloody nose is a bloody nose . . ."

**Hook, Line, and Sinker** If you want to see unusual sea life, forget *National Geographic*. The most exotic fish on record can be found in an 18th-century book called *Fishes, Crayfishes and Crabs, of Diverse Coloration and Extraordinary Form, Which Are to be Found About the Islands of the Moluccas and on the Coasts of Southern Lands*. Its several illustrators often based renderings on verbal descriptions, and their pictures in turn were copied many times over before reaching the publisher, Louis Renard. As a result of this grapevine approach to natural history, the volume depicts in gloriously inaccurate color such bizarre species as a 59-inch-long mermaid that squeaks like a mouse, and fish whose flanks are decorated with what appear to be human faces, celestial bodies, and flowering plants. Not even this description of a fish called the Bouaya raised any eyebrows: "It can be folded like a handkerchief and put into one's pocket; when removed it immediately takes on its former shape." Even fishier is the anglerfish, which, when netted, supposedly followed its captor around the house like a "little dog." Needless to say, Renard's work hasn't made a big splash in the field of marine biology.



**Mangia, Mangia** Pasta, like nearly everything else, has gone high-tech. In 1982, the Neapolitan firm of Voiello, makers of 97 varieties of pasta, commissioned the designer Giorgetto Giugiaro to dream up number 98. To achieve the same sleek, modern look he brought to Parker pens, Seiko watches, and the De Lorean car, Giugiaro noodled around with the architecture and esthetics of pasta. The result was a macaroni marvel, the *marille*, which resembles small, rather geometric waves. Unfortunately, if you eat enough of his designer pasta you won't fit into your designer jeans.



**Moth Galls** When a computer crashes and the owner searches for the bug that's caused it, he might do well to check for the real thing. After all, that's how the word "debug" originated. In the summer of 1945, the U.S. Navy had nearly completed construction of America's first large-scale digital computer, the Mark II. One hot day the Mark II stopped operating. When the technicians opened it up they found a moth crushed between the points of a relay. The insect was removed and taped into the log book. From then on, whenever the ship's commander asked why the computer was down, the technicians told him they were debugging it.







**Japan's Hit Parade** Even in sports, it seems, the Japanese are on the ball. This season, the Osaka firm of Nagoruki unveiled the *Rosh-un*, or "Must hit it" baseball bat. Microchips and a mini-laser inserted in the bat handle instantly analyze the spin of a pitch and, by means of a beeping noise, tell the hitter if it's a curve or a fast ball. Most Japanese clubs were skeptical, thinking the new bats would prove a distraction—until the Tokyo Yomuyuri Giants and the Hiroshima Carp began swinging them, raising their team batting averages by more than 50 points. Nagoruki, which also makes farm tools, computers, car parts, and missile guidance systems, is developing a similar device for baseball mitts that will indicate if a fielder's glove is correctly aligned with an approaching ball. The U.S. sports equipment firms Spalding and Wilson have expressed no interest in competing with the Japanese in electronic hardball. Said a spokesman for Wilson, "We doubt if Dave Winfield needs that kind of stuff."

**Dental High-Gene** Brushing one's teeth has always been a sober task, but not anymore. From Neiman-Marcus comes "After Dinner Toothpaste," three tubes flavored with liqueurs: anisette, crème de menthe, and amaretto. But remember: Don't brush your teeth before driving.



**Heaven Forbid** If religion is your sacred cow, don't subscribe to *The Wittenburg Door*. Published by evangelical Christians (one editor describes himself on the masthead as a "former pastor of the K-Mart Baptist Church"), the magazine is devoted entirely to poking fun at organized religion. A recent issue contained satiric "news" articles about a three-ring church—the Ringling Brothers and Barnum and Bailey Chapel—and Attila the Nun, who forced a parish priest "to establish an express lane for those who only need to confess 10 sins or less." Another piece described a proposed Biblical theme park, "God's World," with a walk-through exhibit on Sodom and Gomorrah. A department called "Truth is stranger than fiction" printed such *real* ads as the comings for a watch that displays Jesus and the 12 Apostles on the dial, scripture wallpaper, and a "Bible light" flashlight to help illuminate the Good Book when things look darkest.



**If The Shoe Fits** Any little old lady who tried to move into this shoe house would have gotten a quick boot. Built in 1949 in Hallam, Pennsylvania, it was the residence of "Colonel" Mahlon Haines, then the Colonel Sanders of the shoe world. The toe contains the living room, the in-step holds bedroom and bath, and another bedroom is located near the laces. The stained-glass windows are reverently decorated with shoe motifs. No heel he, the magnanimous colonel lent his giant footwear to employees on such special occasions as honeymoons, when, no doubt, many a soleful look was exchanged.



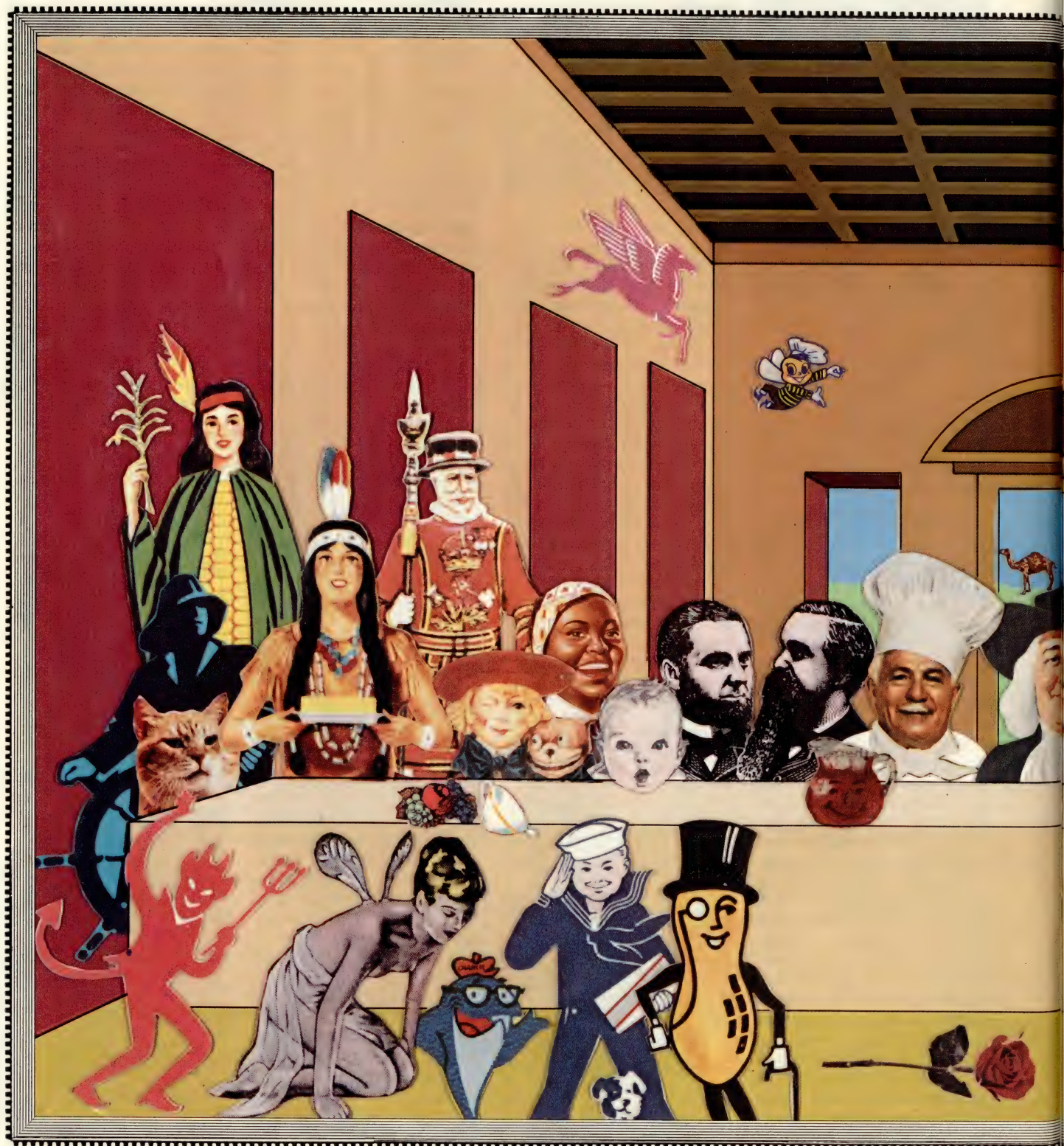
**One Picture is Worth a Thousand Calories** Da Vinci portraits may be more tasteful, but those from Chocolate Photos are definitely more tasty. Chocolate Photos converts any portrait into a mouth-watering bas-relief replica made of dark or milk chocolate. Wrapped in tinfoil and elegantly boxed, these lifelike faces make a great gift for narcissistic chocoholics, but they're not always a sweet treat. One couple ordered each other's pictures in chocolate, and on the anniversary of their divorce threw them into a hot vat and blissfully watched them melt.

**Castro's Close Shave** Sometimes Madison Avenue will do anything to sell a product. On January 22, 1959, weeks after the army of Fidel Castro had deposed the government of Fulgencio Batista, the ad agency for the Gillette razor company approached the Cuban premier with an offer: Would Castro, his brother Raúl, Che Guevara, and the rest of Cuba's hirsute leadership be willing to shave off their beards with Gillette razor blades on nationwide TV? At first Castro agreed, believing that the good will, plus the \$2.5 million fee, would cement his political leadership. But at the last minute the deal fell through, partly due to the objections of Castro's mistress, but mostly because of CIA pressure on Gillette. According to documents made public by the Freedom of Information Act, the CIA, aware of Castro's Marxist bent, was against any action that would improve his image. Forced to withdraw their offer, all Gillette could do was bristle.





# Company Picnic☆☆





## BY ALAN ROBBINS

Call out the Madison Avenue security guards, the company mascots are on the loose. They stepped off bottles, jars, cans, boxes, signs, brochures, and other high-profile hangouts to attend their first—and no doubt last—supper party. We managed to get a Campbell's Soup kid, Mr. Peanut, and their cohorts to pose for a group picture before being hauled back. Can you identify the 41 companies represented and, where applicable, the names of their hucksters?

*Answer Drawer, page 66*





She has posed for photographers and illustrators, been the butt of political satirists, and represented untold numbers of American products. Is there any national symbol that's more ubiquitous than the Statue of Liberty?

But fame hasn't changed her: The handsome woman who has lit New York Harbor for almost 100 years is still majestic, still a stunning symbol of hope and independence. Liberty's official birthday is in 1886, the year she was put on a pedestal in New York Harbor, but this

month marks the beginning of her two-year-long centennial: On July 4, 1884, she was presented by the French to the American ambassador in Paris.

The idea for the statue originated with the Frenchmen Edouard



PETER B. KAPLAN

de Laboulaye, a legal scholar and a specialist in American history, and Frédéric Auguste Bartholdi, a sculptor, around 1869. The men wanted to celebrate the American system of government, which they saw as superior to France's then-oppressive regime, and to commemorate the American centennial.

Then the Franco-Prussian War began, interfering with their plans for completing the statue by 1876. After the war ended in 1871, the Paris Commune ruled for 72 days, until it was violently overthrown by right extremist forces. The democratic American system looked even better.

That summer Bartholdi made his first trip to the United States. Some sources say he considered several locations for the statue, but others say it was love at first

site: He knew that Bedloes Island, in the middle of New York's harbor, should be Liberty's home. She would be placed to face France, as a symbolic reprimand to the French government.

In order to raise money for construction costs, Laboulaye organized the Franco-American Union in 1875. The French would finance the statue (the bill came to \$400,000), the Americans would pay for the pedestal.

At first, American response was embarrassingly slow. The American press—like the French—looked askance at the project. An editorial in *The New York Times* sardonically suggested the Battery, at the southern tip of Manhattan, as a better site than Bedloes Island because "the thousands of persons who would be anxious to write their names on [the statue's] legs would dislike the trouble of being compelled to hire a small boat in order to reach it."

Funds for the pedestal were only dribbling in, and there was a danger that the project would have to be aborted. Then Joseph Pulitzer, publisher of the *New York World*, launched a fund-raising campaign in his newspaper, an appeal directed at working people and at schoolchildren. The editorial campaign began on July 4, 1884, and by August the paper had raised \$100,000, the balance required to pay the \$270,000 bill.

Between now and 1986, Americans will again be asked to finance the statue. For her 100th birthday, she will be cleaned, repaired, and re-

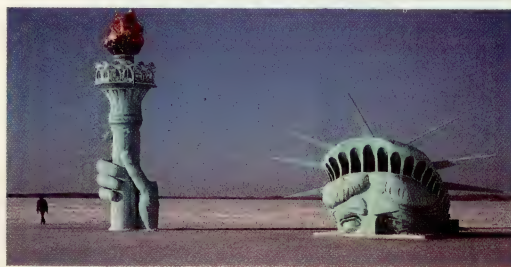
# LIBERTY

MONUMENTAL TRIVIA ★ BY

stored. The wire mesh encircling the inside staircase will be removed, revealing Liberty's beautiful interior construction. (The screen was installed in 1946 after the inside of the statue had been scraped, bathed, and painted with lipstick-proof paint—the graffiti written in pink, red, and coral by home-

coming soldiers and their girls was in some places 3/4-inch thick.) The iron straps that support her copper skin will be replaced; her ailing right arm will be repaired; and the 171-step stairway will be improved, as will the infamous ventilation system.

Assistant Editor Lori Philipson has taken on a greenish cast.



MICHAEL KENNY/BLACK STAR

*In 1978, the Pail and Shovel Committee took control of the student government of the University of Wisconsin in Madison and soon fulfilled its campaign promise—to bring the Statue of Liberty to Madison. But as the statue was lowered by helicopter onto frozen Lake Mendota, she broke through the ice and sank to the bottom. (Some sources, however, claim that the photo above shows a wood model that was simply set on top of the frozen lake.)*



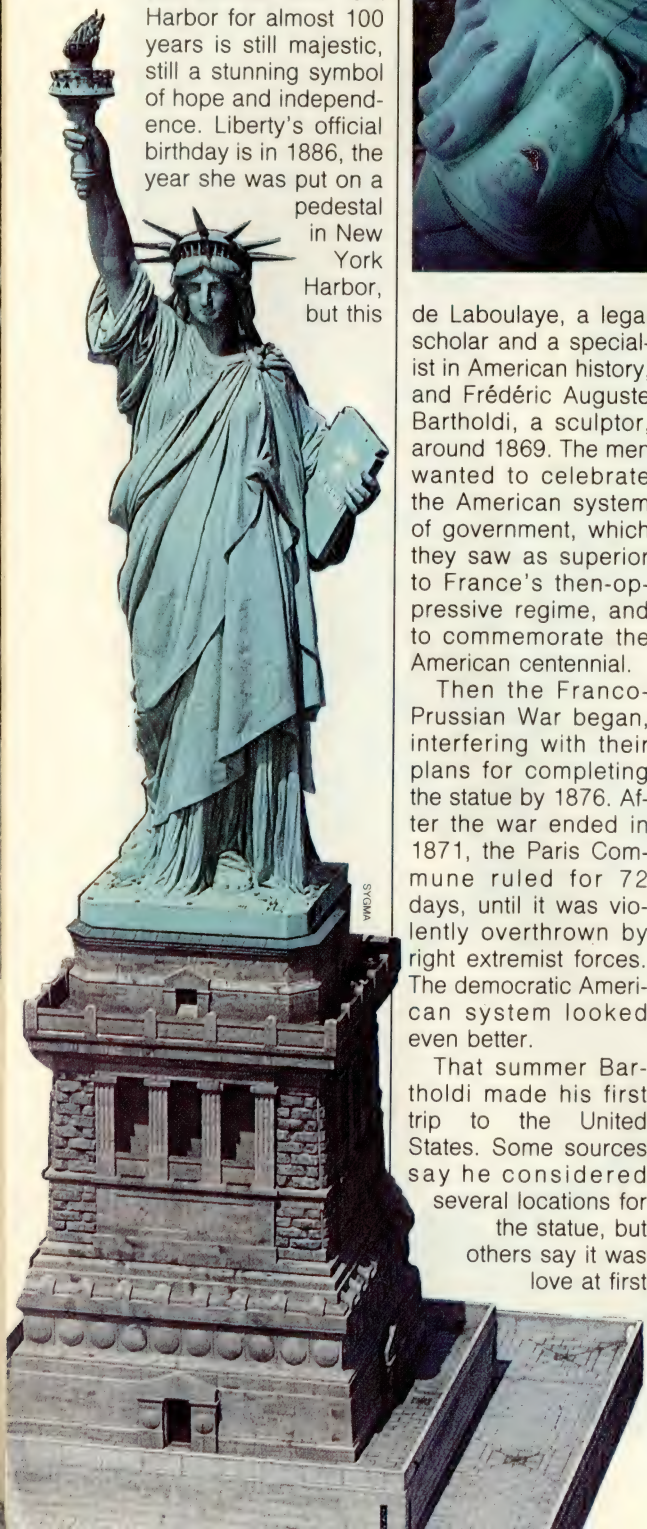
NEW YORK HISTORICAL SOCIETY

*Liberty was not completed until 1884, but her right arm was ready early and was sent to the U.S. in time for the Philadelphia centennial exhibit, in 1876. Before returning to France, the disembodied arm was displayed in New York's Madison Square Park (above).*



LIBRARY OF CONGRESS

*In 1918, eighteen thousand uniformed men at Camp Dodge, in Iowa, posed in patriotic formation for photographer Arthur Mole.*



SYGMA



# BEILLE

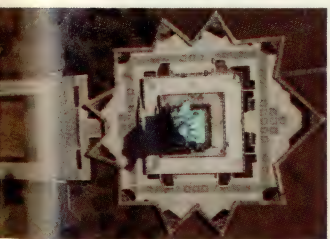
## LORI PHILIPSON

Part of Miss Liberty's long-lived allure is her lore. This seems like a good time to see how much we really know about her, before she embarks on her second century, reborn and refurbished. Herewith, a quiz to test your knowledge of the First Lady of Liberty.

Answer Drawer, page 64

### LAND OF LIBERTY

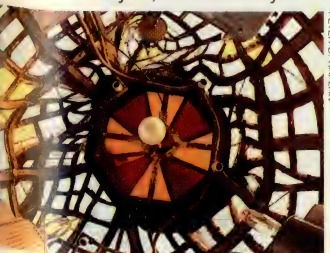
1. Liberty's home was originally called Bedloes Island. What is it called today?
- Bedloes Island
  - Ellis Island
  - Liberty Island
  - Nomanisan Island



2. The statue rests on a star-shaped base (above) that was part of an abandoned
- fort
  - jail
  - chandlery
  - warehouse

### CARRYING A TORCH

1. Like the rest of the country, Liberty brightened considerably on May 7, 1945. Why?



2. A change in the design of the torch (an interior view is above)

later caused a rust problem. What was the change?

3. Liberty played a role model in the final scenes of *Funny Girl*, was a backdrop in *Splash*, and appeared as herself—a landmark—in *Planet of the Apes*. But perhaps her most famous role, shown below, was in the Hitchcock movie
- Frenzy*
  - To Catch a Thief*
  - Saboteur*
  - The 171 Steps*



### THE BIG BUILDUP

1. Bartholdi's first choice for engineer, Viollet-le-Duc, died before he could implement his novel plan—to steady the tall statue in the windy harbor by filling her with
- sand
  - sawdust
  - sealed packets of water
  - stale croissants

2. Because of her unique structure of metal "curtains" hung on an iron core, Liberty is considered by some architects to be the first example of the modern

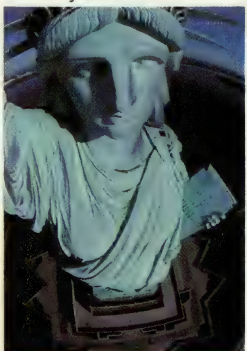
3. Liberty's interior was designed by
- Gustave Eiffel, designer of the Eiffel Tower
  - Richard Hunt, architect of many Newport mansions
  - Ferdinand de Lesseps, designer of the Suez Canal
  - John Gutzon Borglum, sculptor of Mount Rushmore



4. Liberty's head is about two feet off center, and a ray of her crown has, over the years, worn a hole in her upraised arm (see above). This problem might have been avoided if she had not been reassembled in the U.S. in the summer. Why?

### STATISTICS

1. Should Miss Liberty ever need glasses, the frames would measure about how far across?
- 4 feet
  - 8 feet
  - 18 feet
  - 18 yards



2. The seven rays of Liberty's crown represent freedom radiating to the
- Seven Wonders of the World
  - seven countries of Western Europe
  - seven seas and seven continents
  - Seven Sisters

3. Beauty is only skin deep. How deep is that, in the case of Liberty's copper skin?
- 3/32 inch
  - 1/2 inch
  - 1 inch
  - 1 1/2 inches

4. The statue's weight is equal to that of
- 32 elephants
  - 6 sperm whales
  - 475 horses
  - either a, b, or c
5. Were the statue ever to tire of being on a pedestal, and to climb down and check out the gift shop, how high would the doorway have to be for her to enter?
- 59.2 feet
  - exactly 100 feet
  - just over 150 feet
  - 305 feet 1 inch

6. How many tourists visited the statue last year?
- 180,000
  - 1,800,000
  - 18,000,000
  - 180,000,000
7. Current restoration costs of the statue and nearby Ellis Island are estimated at
- 10¢ per American
  - \$1 per American
  - \$10 per American
  - \$100 per American

### LADY OF LETTERS

1. The full title of the Statue of Liberty is
- The Statue of Liberty
  - The New Colossus
  - Liberty Enlightening the World
  - Liberty: The Statue
2. Which three of the underlined phrases



below are *incorrect*? The poem displayed within the base of the statue, entitled "The Golden Door," begins with the words "Give me your tired, your poor . . ." It was written by Emma Lazarus in 1883, especially for a fund-raising auction, and was engraved on a bronzed tablet and installed shortly before the statue's dedication in 1886.

3. Liberty holds a torch in her right hand and a plaque in her left. What is engraved on the plaque?

### ROLE MODEL

1. Bartholdi's model for the statue was
- President Garfield's wife, Lucretia
  - Emma Lazarus
  - Sarah Bernhardt
  - his mother
2. Who was nicknamed the Statue of Libido?
- Anna Freud
  - Mae West
  - The Venus de Milo*
  - Doris Day

3. On October 28, 1886, the statue was dedicated in New York Harbor. Among the hundreds of boats crowding the harbor was one chartered by the New York State Woman Suffrage Movement, whose members were protesting the use of a woman as the symbol of liberty. Why?

4. The photo below of a historical pageant was taken in Milwaukee, in 1919. What world leader is playing the Statue of Liberty?



TWIN CAPTURING GAMES

BY CHRISTIAAN FREELING

# SWISH & MORRO

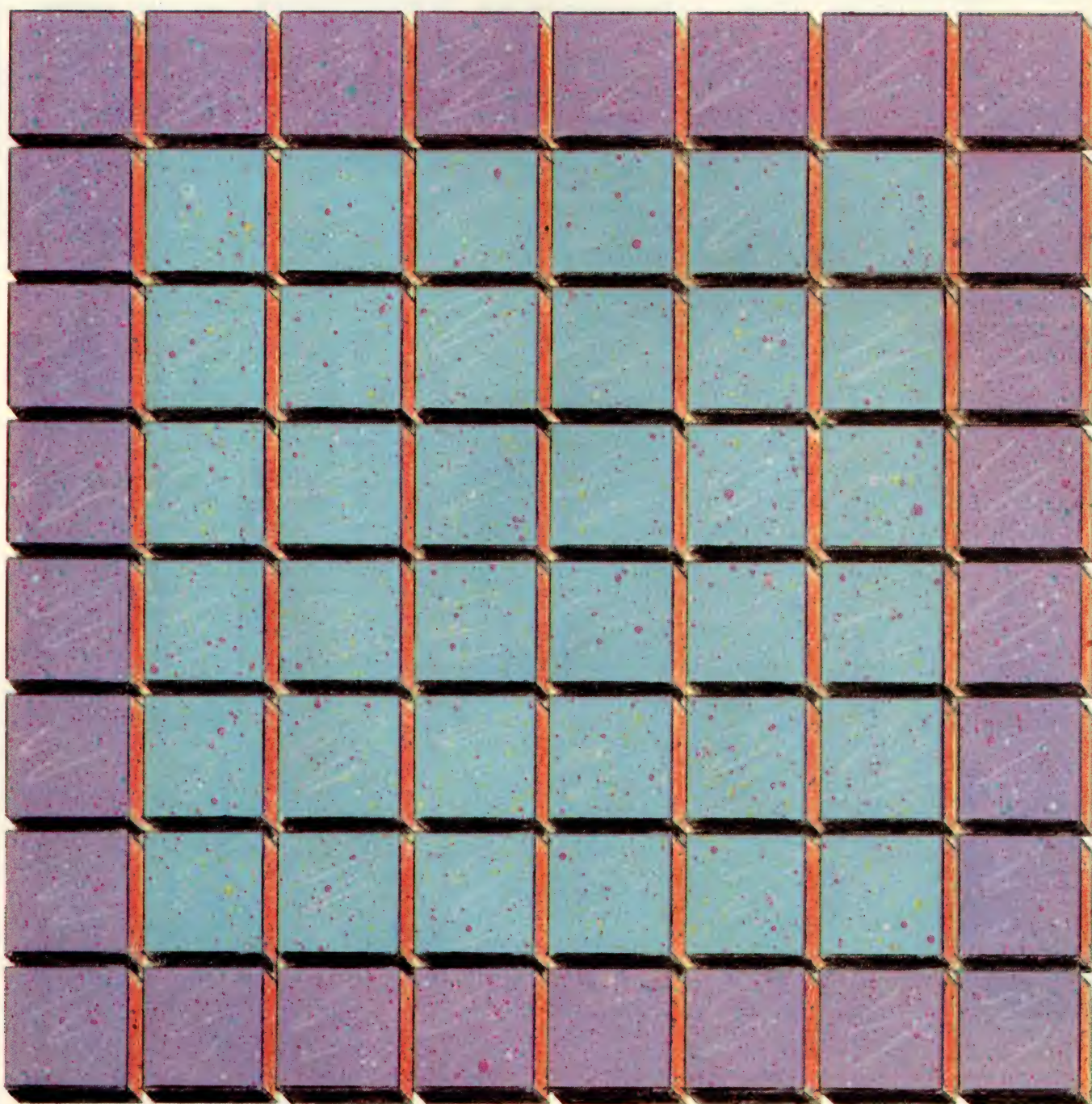


ILLUSTRATION BY AKIO MATSUYOSHI



**Both these two-player games use the same equipment and share most of the same rules. But the one difference between them—the way in which captures are made—results in games of vastly different tactics, while offering equally interesting play.**

## RULES FOR SWISH

**Equipment** The board shown (or a checkerboard), two black pieces (or nickels), two white pieces (or dimes), and 19 neutrally colored "men" (or pennies).

**Object** To capture at least 10 men. Black or white pieces, if captured, do not count toward this total.

**Setup** One player places the four black and white pieces on any four purple squares (any squares on the edge of the board). The same player also places 19 or fewer men on any blue squares (any squares *not* on the edge of the board). No square may contain more than one man or piece. Any men not placed on the board are called "the bait."

The other player now decides whether to move first or to "take the bait." If he chooses to move first, he gets to pick which pair of pieces (black or white) he wants to use. If he takes the bait, he is credited with having captured the number of men that make up the bait (thus getting closer to the goal of capturing at least 10 men)—but then the opponent gets to move first and to pick the color he wants.

**Movement** Players alternate turns. On each turn, a player moves either of his two pieces (the men cannot move) any number of squares in any straight horizontal, vertical, or diagonal line. The moving piece must always land on an empty square.

In moving, a piece may (but is not required to) jump over one or more men occupying an unbroken row of squares in a straight line. Or it may jump over one of the opposing pieces, or both of them if they are adjacent to each other (and both lie along the jumping piece's line of movement). The men or pieces jumped over need not be adjacent to the jumping piece; that is, a piece may move one or more empty spaces, then jump, and then continue along one or more empty spaces before ending its move. However, only one jump per turn is allowed.

**IMPORTANT:** A piece may not jump over both a man (or men) and a piece (or pieces) in the same turn, and it may not jump over the other piece of its own color.

Jumped men or pieces are captured and removed from the board, but, as noted, only captured men count toward the goal of 10.

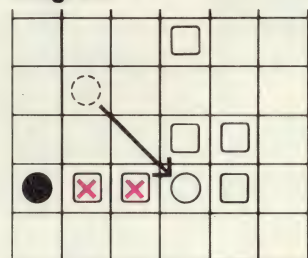
## RULES FOR MORRO

The equipment, object, and setup are the same as in Swish. Movement rules differ, however, and captures are made by the "custodian" method used in Pente and Othello.

**Movement** Pieces may move any number of *unoccupied* squares in any straight line. Jumping is prohibited.

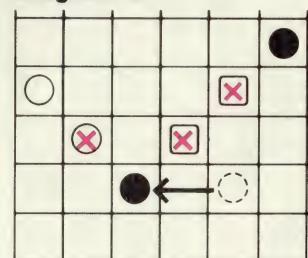
**Capturing** A man, or a straight, unbroken line of men lying along any row, column, or diagonal, may be captured by being enclosed between two pieces, one at either end, with no intervening spaces (see diagram 1). The two enclosing pieces may belong to one player or to different players. Captured men are credited to the player whose move brings the capture about, even if an opponent's piece is involved in the enclosure. It is possible to make captures in two or more directions at once (see diagram 2).

Diagram 1



**The White piece (○) moves and captures two men (X) by enclosing them between itself and the Black piece (●) on the left edge, with no empty spaces intervening.**

Diagram 2



**The Black piece captures a white piece (○) along one line and two men (X) along a different line.**

Pieces are captured in the same way as men—by being enclosed between two other pieces—but are not counted toward the goal of 10 captured *men*. A player may not capture his own piece.

**IMPORTANT:** A mixed row of men and pieces cannot be captured. But if a move encloses men in one direction and pieces in another, both captures are allowed.

If a piece lands on a square between two other pieces, it is not subject to capture—only the enclosing act itself effects a capture.

**Morro Variant** For a slightly more complicated game, give each player's two pieces different powers. One piece moves only along open lines, as in standard Morro, and the other can jump over men and pieces without limit. Men or pieces jumped over are not captured; capture is still accomplished by enclosing, and all other rules are as in standard Morro.

Christiaan Freeling is the inventor of Havannah, Chad, and other games that have been published in Europe. Two of his games, Rondo (December 1982) and Breakthrough (January 1984) have appeared in GAMES.



Warning: The Surgeon General Has Determined  
That Cigarette Smoking Is Dangerous to Your Health.



ULTRA LIGHTS: 5 mg. "tar", 0.4 mg. nicotine.  
FILTER: 9 mg. "tar", 0.7 mg. nicotine, av. per cigarette, FTC Report FEB. '84.

**VANTAGE.**  
**THE TASTE OF SUCCESS.**

*Great Taste  
with Low Tar.  
That's Success!*





# GAMES & BOOKS

Edited by R. Wayne Schmittberger

PHOTOGRAPH BY STAN FELLERMAN



**Oil Power** (available from Indiana Mills, 120 West Main St., Carmel, IN 46032; \$17.70 plus \$2 postage)

Many games have imitated Monopoly, but there is little reason to play most of them if you already own a Monopoly set. Oil Power is an exception, combining the buying and developing of groups of properties with a novel gimmick that adds considerable drama and makes every game different.

Two to six players travel around the board according to dice throws and either buy the oil leases they land on or pay royalties when they land on an opponent's lease. Players may also trade leases. When a player owns all the leases of a single color, he may drill for oil in the center of the board, in the area matching the color of his leases.

Here's where the gimmick comes in. The board has a lot of little holes in it. Hidden in the box under the game board are about a dozen irregularly shaped plastic pieces of various heights. To drill a hole, you position an oil derrick over it and see how far down the drill shaft will go. You may find only a dry hole, but more often you will hit paydirt and discover a 50-barrel well, a 100-barrel well, or a gusher (best of all). Drilled holes are then marked with pumpers that are color-coded to indicate the value of the well. The pattern of oil is different every game; to change it, simply shake the box to redistribute the hidden pieces.

The amount of royalties you can charge an opponent for landing on your lease varies with the number and type of wells you have discovered there. Since some properties have many holes, the range of payments is potentially much wider than in Monopoly.

You can drill only one hole per turn, and it costs money to do so. An important part of the strategy, therefore, is to study the developing patterns of hidden oil and try to figure out what holes are most likely to produce revenue (especially gushers). As in real life, you will usually do better to drill next to a gusher rather than a dry hole. Sometimes, though, you may want to drill a hole because it's on a property an opponent seems likely to land on soon.

Oil Power has enough challenge and variety to hold your interest for a long time, and is the kind of game you're likely to play over and over.

—R. W. S.

**Boulder Dash** by Peter Liepa and Chris Gray (First Star Software; on disk, tape, or cartridge for Atari computers \$29.95–\$39.95; available later this year for Commodore 64 and IBM PCjr)

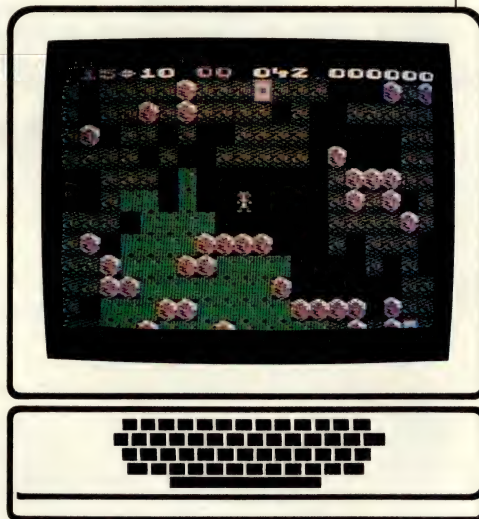
In effect, this is not one game, but 80. The basic idea is to collect (by touching) a given number of jewels in a cave full of boulders before your time runs out. The 16 different caves (screens) each vary the main idea by changing the number of jewels required (and the cave layout), reducing the allotted time, and adding new elements, such as deadly fireflies that guard jewels, and butterflies that can be turned into jewels; and each can be played at five different skill levels, which vary the elements still more.

To get to the jewels you must dig tunnels. But the digging undermines boulders, whose behavior is very hard to calculate when dozens of them, often intermixed with jewels, are falling at once. They might trap you in a cave, block access to a needed jewel, or, if one hits you, deprive you of a life (you start with three and get a new one at each 500 points). One problem is that no cave can be seen all at once (moving the joystick shifts the area of view); what you do at the top of a cave may have repercussions at the bottom that you can't see, yet must still take into account. And you have to remember where all the jewels are. The score line at the top of the screen indicates how many jewels are needed and how many you've collected.

In one of the caves, jewels and boulders are piled in three mounds, two of them at the top of the cave supported by walls with a single opening in each. Is the best strategy to tunnel into a mound and risk causing an avalanche that might bury you? Or should you let the boulders and jewels cascade through the opening, possibly cutting off access to the other mounds? This cave typifies the kinds of thinking that the game as a whole demands: choosing among several plausible strategies; calculating the effects of rock slides; learning the "physics" of the gravity-obeying boulders; and, especially, figuring out how to get at buried jewels by solving a form of "sliding-block" puzzle.

For its imaginative graphics and sound effects, ingenious concept and design, and sheer playing pleasure, Boulder Dash should be a leading contender for anybody's action-game-of-the-year award.

—B. H.





## Pronto (Selchow & Righter, around \$6)

Some of the most enduring games use very simple equipment. Pronto, which includes only a pad of scoresheets, a one-minute timer, five lettered dice, and a tumbler, might become one of them. This fine new game combines elements of wordplay with the calculated guesswork of Yahtzee.

Each round, someone shakes up the cubes in the tumbler

and rolls them out. Players then have one minute to enter all five letters on their scoresheets to make either a complete word or parts of one or more words that they hope to finish on a later turn. There are spaces for words of seven,

six, five, and four letters each, and for four three-letter words, and a Junk Pile for useless letters. When the timer runs out, the letters on your scoresheet are locked in position. After all eight rounds, every box on the scoresheets will be filled in.

You score points for each completed word by adding up its letter values as listed on the scoresheet, plus bonuses. Completing all eight words is frequently possible (you'll occasionally roll the very helpful star, which represents the letter of your choice), so playing offensively often means using—instead of junking—the high-scoring J, Q, X, and Z. If you're really good, you might consider making the game harder by lengthening each word by one box, adding two junk boxes, and increasing the number of rolls from 8 to 10.

For some unfathomable reason, the rules suggest only solitaire or two-person play, with first one player rolling and playing, then the other. The game is much more fun, and a better test of skill, if all opponents—as many as can fit around the table—use the same rolls and play simultaneously. —L. P.

## Deep Space Navigator (available from Tactical Templates, 914 West Lee Rd., Taylors, SC 29687; \$15.95 includes postage)

Played on ordinary paper, this game tests your abilities to think strategically and to estimate distances visually. Players begin by designing one or more spaceships—fast-moving fighters, more powerful star destroyers, or both—by filling in the locations of the ships' shields and weapons on a design sheet, a pad of which is provided. Ship movements are recorded on a sheet of paper (there is no board) and are governed by a cleverly designed, innovative template, which is placed over the ship's previous and present positions, allowing the player to see its projected course and how much fuel is needed to reach a desired new position.

The template also shows the ranges and possible lines of fire of a ship's various weapons, along with the probabilities of successful attacks from different distances. Hits and misses are determined by rolling a 12-sided die.

Although a good game in its own right, Deep Space Navigator is flexible enough to be incorporated into other space combat games. Experienced players may prefer to make up their own boards and scenarios, since the number of ships and players can be varied without limit. —R. W. S.

## Computer Gamesmanship by David Levy (Simon & Schuster, 1983, 273 pages, \$12.95 softcover)

If you've ever played a strategy game against a computer, you've probably wondered how the machine decides where to move. In most games that are complex enough to be interesting, it is not feasible for even the fastest computers to take into account all possible outcomes of a move. As the author of this fascinating new book points out, even if every atom in the universe were replaced by a good chess-playing computer, it still would take all those computers combined a long time to examine every possible chess game and come up with the perfect first move. And in games like bridge or poker, in which the computer must base its play upon assumptions about what cards are held by which players, the designer of an intelligent game-playing program faces additional kinds of problems.

This book explains how computers are taught to play games well. No game-playing programs actually appear; rather, the author discusses how they can be structured, even on a home computer with limited memory.

The key is to identify the important strategic elements of the game and somehow quantify them so that the computer can use a formula—known as an evaluation function—to assess the merits of any position. In tic-tac-toe, for example, one could assign the largest value to a position of three in a row, the second largest value to blocking an opposing three in a row, the third largest value to making two different two-rows, and so on. In chess, there are many more strategic factors, and it becomes a difficult but fascinating task to assign appropriate weights to capturing pieces, improving pieces' mobility, avoiding weak pawn structures, defending squares near the king, and so on.

The author, David Levy, is a leading expert in the design of intelligent game-playing programs. He's also the International Master who in 1968 bet £ 1,250 that no computer would beat him in a chess match within 10 years. (He won the bet by winning a match against the top chess computer in 1978.) To help readers develop their own evaluation functions, he offers sound advice on about a dozen popular games, from Othello to rummy to checkers—all of which helps to make this a worthwhile book even for readers who are more interested in beating computers than in programming them. The book does not require technical knowledge, but readers with experience in computer programming or mathematics will no doubt find it easier to understand certain sections. —R. W. S.

## ETCETERA

**Sword in the Stone** (available from The Grail, Inc., 914 Park Ave., Laramie, WY 82070; \$16.95 includes postage) is an attractive puzzle of the tangled rings variety, dressed up with a booklet describing its supposed origin in Arthurian legend. The goal is to free the 7-inch sword, which appears to be chained to its base. Solving hints are available in the form of a cryptic poem, but perseverance will help you more.



**Stedi Bridge** (available from Sun Deck Co., Box 406, Middlebury, IN 46540; \$14 includes postage) fits on your patio table (there's even a hole to accommodate an umbrella), and allows you to play bridge and other card games outdoors. Elastic straps hold the cards in place, at least when the wind is fairly light.



# CONTEST RESULTS

## SHOWDOWN

### From February

The Showdown Contest asked readers to arrange 25 playing cards in a  $5 \times 5$  grid, attempting to score points according to the rules of Solitaire Poker (February, page 47). First, though, the 36 cards we provided in a  $6 \times 6$  grid had to be reduced to 25 by crossing out one row and one column. (Some readers ignored this rule and crossed out whatever 11 cards they chose, resulting in higher but invalid scores.)

For each row, column, and long diagonal of the  $5 \times 5$  grid, points were scored according to the type of poker hand it contained: 1 point for a pair, 3 points for two pairs, 5 for three of a kind, 7 for a straight, 10 for a flush, 12 for a full house, 25 for four of a kind, and 50 for a straight flush.

Of the more than 2,400 entries we received, 42 tied for first with a score of 173. All crossed out row 2 and column F in our  $6 \times 6$  grid, and arranged the remaining cards either as shown or in some variation of this array (for example, the second and fourth rows here could be interchanged).

The winner, chosen by random draw

from among the high scorers, is Mary Johnson, of Deerfield Beach, Florida, who will receive a set of poker chips, a wooden carrying case, and a caddy. Runner-up prizes of a GAMES T-shirt go to: David A. Krebs, Dallas, TX; Monte Nussbaum, Summit, NJ; Thomas E. Webster, Southington, CT; Mary R. Wilkes, Titusville, FL; and Shirley Wolf, Rockville, MD.

—R. W. S.

♥7	♠5	♣Q	♠7	♦7	7
♥5	♠J	♥J	♠J	♦A	5
♥4	♣4	♦10	♣4	♦4	25
♥6	♠9	♥9	♠9	♦9	25
♥8	♠K	♦K	♠K	♦8	12
↑50	↑10	↑7	↑10	↑10	7

The Winning Grid Total Score: 173

## SILVER ISLAND

### From February

Some 4,400 readers really dug this contest, a treasure hunt that was full of holes. Solvers were given a treasure map and asked to find the seven locations where chests of silver lay buried. Although these locations were not evident on the map, the directions insisted

that the contest was "on the square" and hinted, "Look for signs of digging. Clues will lead you to the exact location of the treasure."

The signs of digging were the holes readers were to make by solving the crossword ("Dig This!") on the preceding page. Several clues called for answers containing the word "hole" (BLACK HOLE, PEEPHOLE, etc.), and wherever that word belonged in the crossword grid, readers were to poke a hole through the paper—seven holes in all. When the treasure map was then examined, the "signs of digging" unearthed treasure at these map locations: Lookout Point, Ancient Burial Mounds, Waterfall, Well, Cave, Buzzard's Peak, and Footbridge.

Roughly four-fifths of the solutions received correctly identified the treasure locations. The winning entry, chosen by random draw, was sent by Daniel Sachs, of Kew Gardens, New York, who will receive *The Times Atlas of the World*. GAMES T-shirts go to runners-up George Albert, Jasper, AR; Libbie Perry Bowder, Gorham, ME; Leslie Wood David, Jamul, CA; Jeff Gold, San Jose, CA; and Thomas Zanfagna, Linthicum, MD.

—W. S.

# Break tradition.

## Drink Ronrico Rum instead.

You already know what your gin and vodka have to offer.

Just try one drink mixed with Ronrico, and you'll realize what it is you've been missing all along.

Ronrico is a superbly smooth and light rum.

With a surprisingly distinctive flavor that's bound to win you over. Isn't it about time you broke tradition with Ronrico Rum?

### RONRICO RUM & ORANGE JUICE

2 ozs of Ronrico Rum in a highball glass, ice cubes, fill with orange juice, add a slice of orange



# RONRICO RUM

80 PROOF • © 1984 GENERAL WINE & SPIRITS CO. N.Y.C.





# ☆☆ WILD CARDS ☆☆

Edited by Stephanie Spadaccini

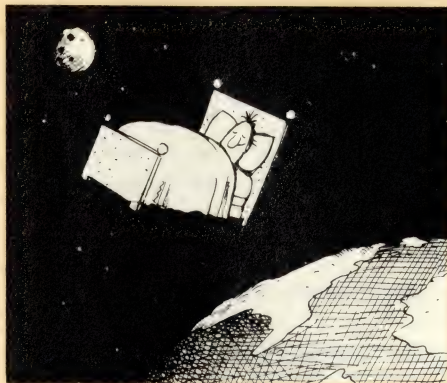
## FOR THE RECORD

### A 20th Century Quiz

Five of the people listed here were born in the 19th century. Can you spot the one person who was born in the 20th?

Babe Ruth                  Harry Houdini  
Groucho Marx        George Orwell  
Mae West                Pablo Picasso  
—Louis Phillips

Answer Drawer, page 65



## WORDPLAY

### Speaking Greek

Six common words can be formed from the fragments below by inserting the names of six different Greek letters.

1. res\_\_\_\_rant    4. ma\_\_\_\_nery
2. \_\_\_\_losophy    5. ca\_\_\_\_p
3. ca\_\_\_\_ze        6. m\_\_\_\_llic

—Len Elliott

Answer Drawer, page 65

## TEASERS

### Celeb-rations

If the cost of a painting by van Gogh is a VINCENT PRICE, and people who live next door to the YMCA are JIM NABORS, how would you match up the definitions (1-7) and celebrities (a-g) at right?

—Ted R. Loviscek

Answer Drawer, page 65

1. What Braille proves
2. What to do if bitten at the zoo
3. What King Tut said when he was crowned
4. Throw away a fruit
5. Cookbook section for hamburgers
6. The result of constant frowning
7. Action film ingredient

- a. Chuck Berry
- b. Patti Page
- c. Hans Conreid
- d. Chevy Chase
- e. Mia Farrow
- f. Sue Lyon
- g. Groucho Marx

## TWISTS

### From Sea to Shining Sea

There are 27 state postal abbreviations in the first verse of this familiar tune. The two letters in each abbreviation appear consecutively, with or without a space between, and the total number of occurrences includes duplicates. We've pointed out the first one, Ohio, just to get you started. Can you find the other 26?

OH, beautiful for spacious skies,  
For amber waves of grain  
For purpled mountain majesties  
Above the fruited plain.  
America! America!  
God shed his grace on thee,  
And crown thy good with  
brotherhood  
From sea to shining sea.

—Mike Snider

Answer Drawer, page 65

## LOOK

### Number Maze

Starting at the circled number 5 in the lower left-hand corner of the grid, can you reach the star in the center in only six moves?

The number in each square signifies the number of spaces that you may move from that square in one direction per turn, either horizontally, vertically, or diagonally.

7	1	3	5	8	6	8	2	2
8	5	4	7	1	3	7	3	1
8	2	3	1	3	2	3	3	2
6	4	3	2	3	4	3	6	1
5	4	6	4	*	4	5	2	5
3	1	4	3	3	2	1	1	8
4	1	4	5	3	1	1	3	4
5	7	5	2	2	6	5	7	3
⑤	6	6	3	1	8	6	8	8

—John Reagan

Answer Drawer, page 65

## LIST DEPT.

### Oxymorons

A figure of speech in which contradictory terms are combined to form a phrase is called an oxymoron. The phrase "terribly nice" is a good example, as is "holy war."

Try to match up the words in the left-hand column (1-11) with the words in the right-hand column to form 11 oxymorons. Each word will be used once.

- |                 |           |
|-----------------|-----------|
| 1. jumbo        | silence   |
| 2. dry          | games     |
| 3. awfully      | awful     |
| 4. war          | shrimp    |
| 5. sweet        | thrift    |
| 6. thunderous   | ice       |
| 7. guest        | mother    |
| 8. perfectly    | sorrow    |
| 9. spend        | good      |
| 10. white       | host      |
| 11. non-working | chocolate |

—P. G. Wright

Answer Drawer, page 65



NOW AVAILABLE FROM GAMES  
MAIL ORDER

Weather: Foggy  
Morning Edition

Specially  
Imported

# London Record

Tempus Fugit

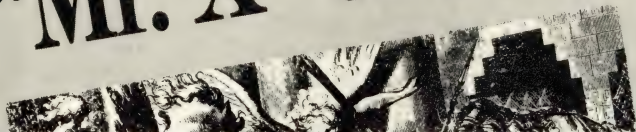
July 22, 1984

Vol. 71, No. 41

## "Mr. X" on the loose in London

Only YOU and

Scotland Yard



Early this morning the notorious surfaced this afternoon near Vauxhall Park. Detectives could only guess his next move, as he was seen on a bus headed north.

### Scotland Yard



Be "Mr. X" and lead the authorities on a fast-paced chase through London's "underground", around its fabled streets by taxi and bus, and up and down the River Thames! Be one of "The Yard's" crack detectives, outwit and systematically flush out the crafty "Mr. X"!

It's very early one foggy London morning. The phone rings in Scotland Yard's detective squad room. You answer it, and the maniacal voice of "Mr. X" challenges you and your colleagues to capture him. As you slam down the receiver, you know it will be a daring, brain-twisting challenge — what with "Mr. X" moving about secretly, surfacing only once every 5 moves — but one that only you and Scotland Yard can handle.

(In another part of the city, "Mr. X" plots his course, sprinkling it with risk-taking moves to taunt the detectives. But beware! He could slip away in an instant if The Yard gets lucky and starts to close in.)

Quickly you assemble the 2 to 6 players around the large 19½" by 26" full-color board map of London. You make sure each has enough transportation tickets (125 in all) to travel the streets and subways. The detectives and the dastardly "Mr. X" draw their starting points from the 18 start cards. "Mr. X" carries along his log book for you to keep him "honest".

You light your pipe. You remember that, just as in real life, no matter which side you choose, you'll need all your powers of logic, careful observation, and a bit o' luck to make out. You think to yourself, "he could be in any of 200 places on the map, from Madame Tussaud's to Westminster Abbey, the Marble Arch to The Tower. But we'll get 'im."

To get "Scotland Yard" for yourself, mail the coupon today. This beautifully designed and ingenious game — virtually impossible to obtain in this country — is being specially imported for Games Mail Order. Playing time is approximately one hour. We think you'll love it!

© 1984 GAMES MAGAZINE

WINNER!

1983  
German & Swiss  
GAME  
of the  
YEAR  
AWARD

Also included in  
The 1983 GAMES 100

FOR FASTEST SERVICE,  
Call TOLL- FREE Now!  
800-852-5200

Extension 407

in New Jersey call 800-442-1300, ext. 407  
Have your credit card handy.

SCOTLAND YARD, Games Mail Order  
Dept. SY-74, P.O. Box 5363  
FDR Station, New York, NY 10150

Please send me \_\_\_\_\_ SCOTLAND YARD game(s) at only \$25 plus \$2 postage & handling each. (how many?)

#### Guarantee of Satisfaction

I understand that if, for any reason, I am not completely satisfied with my order, I may return any item(s) at any time for full refund of my purchase price — no questions asked!

Enclosed is \$ \_\_\_\_\_ NY residents add appropriate sales tax.

☐ Check or ☐ Money Order made payable to GAMES. No cash or C.O.D.s, please. (Canadian orders: U.S. funds only. Thank You.)

CHARGE IT! ☐ Visa ☐ MasterCard, bank # \_\_\_\_\_ Exp. Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

Signature \_\_\_\_\_

#### PLEASE PRINT

Name \_\_\_\_\_

Address \_\_\_\_\_ Apt. # \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

All orders promptly shipped via U.P.S.



### WHY THIS?

*Dear Diary,  
He didn't  
call... again.*

### WHY NOT THIS?

*Dear Diary,  
Another whirl-  
wind adventure!*



### TURN YOUR FANTASIES INTO REALITY!

OUR TALENTED WRITERS WANT TO PEN your diary. Personalized hardbound journals reveal a year full of exciting incidents as if they really happened to you! You supply handwriting samples and all pertinent facts. Our writers will forge an impressive diary *in your own hand* relating thrilling love affairs, acts of intrigue, brilliant scientific discoveries, masterful political moves, and more. You may never dine with kings, but whoever reads this diary will believe you did! Each volume comes with a faulty lock to permit "chance" intrusions.

SO WELL FORGED YOU'LL BELIEVE IT YOURSELF!

Send \$125 for each volume (specify year) to: **Custom Diary Co., 305 Stern Lane, Irving Cliffs, NB 00326.**

Name: .....

Address: .....

City: ..... State: Zip: .....

Year(s) desired .....

Be sure to include all vital information, if any, about your life. (Use reverse side).

## THE BEST OF GAMES

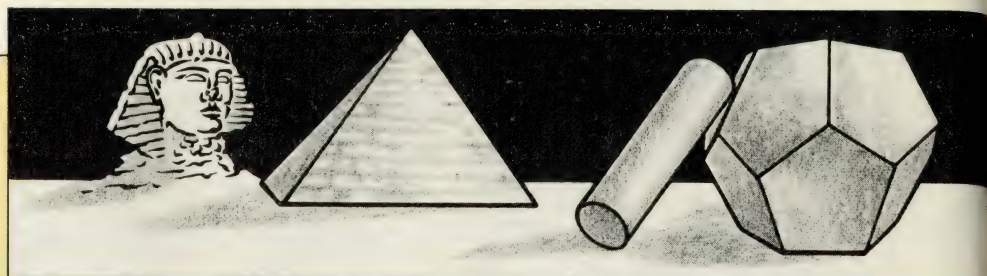
### III PENCILWISE

**BRAND  
NEW**

Challenge yourself or a friend with over 100 of the best puzzles from GAMES "Pencilwise." Selections by the Editors of GAMES from a wide range of puzzles will guarantee hours of fun and solving pleasure!

ON SALE JUNE 26

CHECK YOUR  
LOCAL NEWSSTAND



### NUMBER PLAY

#### *Leftovers Again?*

What is the smallest whole number that, when divided by 2 leaves a remainder of 1; when divided by 3 leaves a remainder of 2; and so on, and when divided by 10 leaves a remainder of 9?

—Michael W. Ecker

Answer Drawer, page 65

### WORDPLAY

#### *What's Hiding in the Forest?*

How many creatures can you find hidden among the words in the following passage? To get you started, we've underlined the bee hiding in the first sentence.

Has it been a long time since you walked into a deep forest? Perchance your mother once warned you that you risk unknown and eerie creatures biting you. But a forest walk can be a very safe experience.

The easiest route, along natural forest paths, does afford one a rather large share of woodland sights. A universal montage of plant and animal life abounds to and fro. Growth occurs everywhere, with rushing swiftness, without abatement. Trees sink their roots as low as possible, then reach awkwardly to the sky to shade a glen below.

How renewed is your sense of the forest now? Do you feel knowledgeable enough to go through this entire passage and find 33 hidden forest creatures that swim, fly, walk, or crawl?

See how few—or many—you can find. Finding 25 would be a reason to cheer, but finding all 33 creatures is practically impossible!

—Donnell Noble

Answer Drawer, page 65

### FOR THE RECORD

#### *Mother Who?*

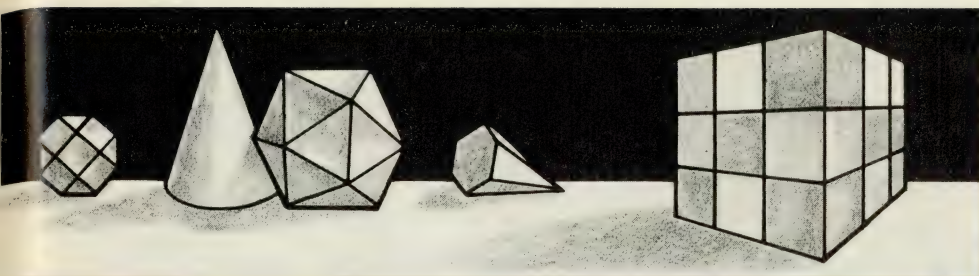
So you think you know your nursery rhymes? In that case you'll have no trouble answering the following questions.

1. What will Little Bo-Peep's sheep bring behind them?
2. What was Little Boy Blue doing instead of tending his sheep?
3. If wishes were horses, who would ride?
4. What did Pussy-cat look at when she went to London?
5. What did Georgy Porgy do when the boys came out to play?
6. What do you see upon a white horse at Banbury Cross?
7. What did Mother Hubbard look for in her cupboard?
8. How many bags of black wool does the little boy get who lives down the lane?
9. Who ran away with the spoon?
10. How many blackbirds were baked in a pie?
11. Solomon Grundy was born on Monday. When was he buried?
12. What did Tom the piper's son steal?
13. Who called for three fiddlers?
14. Where was the little girl's curl?
15. What was Little Jack Horner eating?
16. Who licked the platter clean?
17. The scholar who used to come at ten o'clock now comes at what time?
18. How old is the pease porridge?
19. What did the crooked man find against a crooked stile?
20. What are little boys made of?
21. What did the old woman who lived in a shoe feed her children?
22. How did the sparrow kill Cock Robin?

—B. H.

Answer Drawer, page 65





#### TRIVIA

##### *Cinema Jocks*

Given the sporting event and the actor, can you name the movie?

1. Auto Racing, Steve McQueen
2. Baseball, Gary Cooper
3. Basketball, Anthony Perkins
4. Boxing, Robert De Niro
5. Football, Ronald Reagan

6. Golf, Glenn Ford
7. Hockey, Paul Newman
8. Roller Derby, Raquel Welch
9. Skiing, Robert Redford
10. Track, Mariel Hemingway

—William O'Connell

Answer Drawer, page 65

#### UNCLE JACK

##### *The Art Expert?*

"I suppose you boys never go to art galleries," said Uncle Jack to his great-nephews, Peter and Roger. "Don't let the world's cultural heritage pass you by completely."

A look of anticipation passed between the two boys. How many of Uncle Jack's mistakes would they be able to spot this time?

"You could start with Leonardo da Vinci," Uncle Jack continued. "In the Louvre in Paris, you'll find his fabulous *Mona Lisa*, with her enigmatic smile. It's rumored that Marie Antoinette modeled for that picture during one of her visits to Italy."

"The great Michelangelo was a sculptor and a painter. Perhaps his best-known works are *The Last Supper*, a fresco now in Milan, and the ceiling of the Sistine Chapel in Florence."

"Then there were the French Impressionists led by Molière and Monet. One of my favorite artists is Van Gogh, the Dutchman. Unfortunately, he went insane in 1888 and cut off both his ears. Gauguin was a great friend of Van Gogh's. He was the fellow who moved to Samoa in 1890 and started painting all those native women."

"In more modern times we have Picasso, the great Italian painter, who is fortunately still alive and pro-

ductive. His *Demoiselles d'Avignon* is in New York's Museum of Modern Art, which also holds works by the German painter Max Ernst. Other well-known German painters were Humperdinck and Telemann."

"Although he was born in Florence and died in London, John Singer Sargent had American parents. I remember meeting him in New York—he was best-known for his religious paintings in the grand manner. Whistler, I recall, was born in Lowell, Massachusetts, but spent much of his life in Europe. You may have heard of his famous portrait, *Whistler's Mother-in-law*."

"As for British painters, you should know something of the work of Turner, Gainsborough, Raphael, and Constable. Don't bother about the surrealists, with the possible exception of Salvador Dada, whose work you may find rather striking."

"Here, take this encyclopedia of art and browse through it. You may learn a thing or two."

Peter and Roger went through the encyclopedia and found that Uncle Jack had made 13 mistakes. Score one point for each one you spot, but take away three for each correct item you thought was false.

—Denys Parsons

Answer Drawer, page 65

## HALLMARK NATIONAL JIGSAW PUZZLE CHAMPIONSHIPS

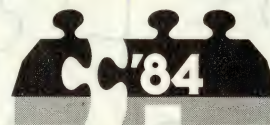
**OVER \$7500  
IN CASH PRIZES!**

**TIMED ASSEMBLY COMPETITIONS  
SINGLES & DOUBLES CONTESTS**

**AUG. 18-19, 1984  
ATHENS, OHIO**



Entry forms available from participating  
Hallmark retailers or the Dairy Barn.  
Entry deadline Aug. 8, 1984.



**Hallmark  
NATIONAL JIGSAW PUZZLE  
CHAMPIONSHIPS**

THE DAIRY BARN, ATHENS, OHIO  
P.O. BOX 747, ATHENS, OHIO 45701

SPONSORED BY HALLMARK CARDS, INC.  
(THE MAKER OF SPRINGBOK PUZZLES), THE DAIRY BARN  
SOUTHEASTERN OHIO CULTURAL ARTS CENTER, AND THE ATHENS  
AREA CHAMBER OF COMMERCE.



# ANSWER DRAWER

## 9 Gamebits

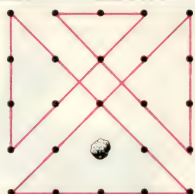
### At Cross Purposes

1. True. When Adrian Bell's father suggested that his son write the crosswords for the *Times*, Adrian complained he had never done it before. Adrian's father answered, "You have 10 days to learn."
2. False. However, about 10 years ago the *London Times* and *Daily Telegraph* simultaneously printed the same answer word with virtually identical clues.
3. True.
4. True. The black squares were considered just so much wasted space, so the paper decided to sell them as Ad-grams.
5. True. Princess Margaret's prize was \$8.82 worth of books.
6. False.

### DoubleTakes

The combined celebs are Bruce Springsteen and Leon Spinks; The resulting split personality is "Bruce Spinksteen."

## 41 Tree Lines



## 20 Secrets of the Amazon

The hidden creatures are shown below.



## 32 Dszquphsbnt!

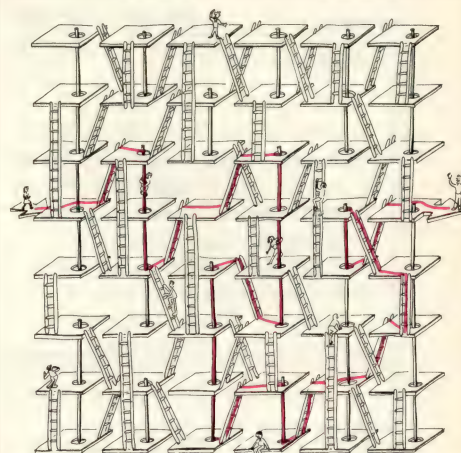
1. CRYPTOON. "He remembered my birthday for a change, but you should see the weird tropical plant he gave me."
2. THE GRAND PRIZE. I am the beneficiary of a lucky break in the genetics sweepstakes.—Isaac Asimov
3. PARADOX. Why does tiny band member opt for huge tuba, while husky six-footer picks delicate piccolo?
4. HOW'S TRICKS? Magician, prone to seasickness, is unable to perform much sleight of hand while out of sight of land.
5. THAT'S TERRI-BULL. Wild mountain oxen, driven from grazing site by human encroachment, cross valley to form New York City.
6. NO COVER CHARGE. Customer at flamenco cafe gulped in fright as men in white coats cast a net over crazed castanet player.
7. NOSE TO THE BOOKS. Medical student eschews intramural soccer game: Better *Gray's Anatomy* than graze anatomy.

## 46 Call Our Bluff

The fake items are the Hemingway-Toklas brawl; the microchip baseball bat; and Castro's close shave.

Illustrations by David Coulson (Hemingway, Japanese bat, "Heaven Forbid"); Mary Lynn Blasutta (fish, moth, chocolate Mona Lisa, shoe house); and Peter de Sève (cat, toothpaste, Castro).

## 28 Chutes and Ladders



## 22 Following Orders

1. a, f, b, c, g, d, e, h
2. a, c, f, e, b, d, g
3. a, d, b, f, k, c, e, i, l, h, j, g, m
4. a, b, h, c, f, d, g, i, e, j, k (f and g are interchangeable)



KING: 17 mg. "tar", 1.3 mg. nicotine, 100's: 17 mg. "tar"  
1.4 mg. nicotine, av. per cigarette by FTC method.

© 1984 R.J. REYNOLDS TOBACCO CO.

*You've got what it takes.*

# *Salem Spirit*

*Share the spirit.  
Share the refreshment.*

Warning: The Surgeon General Has Determined  
That Cigarette Smoking Is Dangerous to Your Health.









## 65







# THE GALLERY

## Product and Merchandise Mart

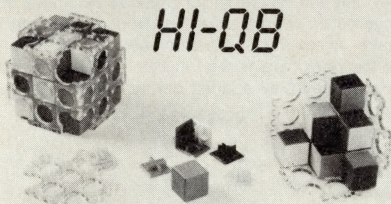
A GAMES ADVERTISING SECTION: "The Gallery" is a special advertising section of *Games* designed to display game products and related services.

TO ORDER BY MAIL: Mail order ads that run in "The Gallery" do not carry coupons. Orders can be sent on a separate sheet to the supplier of the product or service.

A SPECIAL OFFER: If there is a particular game or service you've heard about but can't get your hands on, write us. We'll do our best to put you in touch with the manufacturer or supplier. Address your request to: GAMES Magazine, "The Gallery", 515 Madison Avenue, New York, N.Y. 10022.

TO ADVERTISERS: All advertisements in "The Gallery" are black and white 1/4 page units. These units must be run in frequency multiples of 3X, 6X or 12X. Ad reservations and material are due the 10th day of the 3rd month prior to issue date. Copy and design services are available. For more details and to reserve your space call Joe Failla or Roy DeVries at *Games Magazine*, (212) 421-5984.

**A new test and challenge for your mind!**



This combination of mental and manipulative puzzle is capable of changing from simple to highly complex on four levels of achievement. Can your logic and intellect conquer them all? Try Learning, Advanced, Intellectual, or the one with 2.918x10<sup>139</sup> combinations, Ultimate Challenge.

Only \$14.95 (plus \$3.00 for postage & handling) Send check or money order to: HI-QB International, 367 Whitlock Way N.E. Calgary, Alberta, Canada T1Y 5C9

COLLECTORS EDITION—# 1

### THE ORIGINAL PENCIL & PAPER SPORTS GAME BOOK

Featuring Summer and Winter Games. Adults and Children of All Ages—A Great Skill Game For All. . . and all you need is a pencil & borrow a penny for your own Summer (and Winter!) Games.

Each Volume of The Original "Pencil & Paper Sports Game Book" is A *Collectors Edition*—Each Volume Individually Signed, Numbered and Dated. Perfect Gift—Great Travel Fun—Special Rates for Hospitals & Schools.

\$15 plus \$2.00 postage and handling (6% sales tax applies to California residents)

Send Check or CJB PRESS  
Money Order to: 1549 Palos Verdes Drive West  
Palos Verdes Est. CA 90274

ORDER NOW—

BE READY FOR THE SUMMER GAMES!!

### The TRIVIA game of unusual words and amazing ideas.

*fau•ces n.* The space between the mouth and pharynx  
*A mirage.*

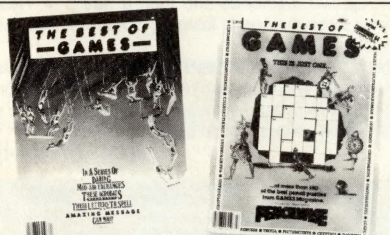
*fa•vo•ni•an adj.* Of the wind.  
*Pitted with holes or cells.*

*fic•tio•nar•y*  
*fav•o•ri•te A yellowish to black*  
*musical . . . of the circus group.*

*Any of several North American plants of western North America, having nodding yellow flowers.*

Send \$17.00 plus \$1.00 S/H to:

MAYFAIR GAMES INC.  
P.O. Box 5987 Chicago, IL. 60680  
At fine Hobby and Bookstores.



### THE BEST OF GAMES JUST GOT BETTER!

Now there are two great books featuring the greatest challenges ever to appear in GAMES. THE BEST OF GAMES volume I and the new volume II (with over 100 favorite puzzles from GAMES "PENCILWISE") bring you hours of fun. Order one or both. They also make ideal gifts! Just \$2.50 each (add \$1 for postage & handling for one, \$1.25 for two.)

Send check or money order to

GAMES MAIL ORDER Dept. BOG 74,515 Madison Ave.  
New York, N.Y. 10022

NEW STRATEGY BOARD GAME

EVERY BOARD ONE-OF-A KIND

## INTERSTATE

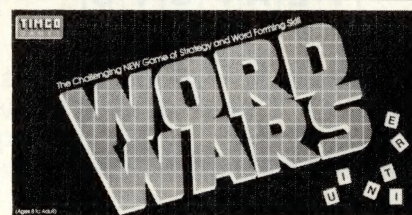
a challenging boardgame involving haphazard travel & cargo delivery on a unique, one-of-a-kind 72 U.S. city gameboard.

A MUST FOR GAME ENTHUSIASTS & COLLECTORS  
Complete game includes 18" by 23" laminated wood-framed board, 192 cargo cards, tags, tokens, rules & strategy hints.

\$35 - postage paid  
COLUMBYSS GAME & PUZZLE  
Box 14092  
Roanoke, Va. 24038

SPRING SERIES BOARDS

NO DICE NEEDED



### The Ultimate Word Game.

WORD WARS™ is a word game for two players. Players start the game at opposite sides of the board, and by interlocking words, compete in a race to cross the board. By interlocking your chain of words with that of your opponent's, you can capture or remove some of your opponent's letters from the board and thus gain an advantage.

**\$11.95** includes shipping and handling. (California residents add .78 sales tax.) **SATISFACTION GUARANTEED.**

Send to:  
Timco Games Inc.  
11219 Haskell Ave.  
Granada Hills, California 91344



## Eyeball Benders Cover

Top row, left to right:

Inflatable rafts in a pool  
Soaped-up window  
Coin-op scenic viewfinder

Middle row:

Hand dolly  
Plastic watering pitcher  
Shadow of a shopping cart

Bottom row:

Soccer goal (without net)  
Auto rooftops at the beach

## 4 Photo Synthesis

Top row, left to right:

Garbage can cover  
Felt hat  
Earthmover

Bottom row:

Snow-caked tire  
Ship's bow

## 10 Logic

## The Early Years

Misty Woof, cabinetmaker, lived in the cottage. The other two were Edda Underwood, potter, who lived in an apartment, and Stella Oast, weaver, who lived in a bungalow.

## Marriages

Misty, who worked at the craft shop, married Gary Stockton, accountant; Edda, who worked at the antique shop, married Guy Ledger, librarian; Stella, who worked at the pet shop, married George Dewey, shopkeeper.

## More Marriages

Sylvester Ledger (b. 1955) and Penelope Stockton (b. 1956) moved to Miniopolis; Mary Jane Dewey (b. 1958) and Harold Stockton (b. 1961) moved to Megaville; Chloe Dewey (b. 1960) and Ernest Ledger (b. 1959) moved to Maxiburg.

## 41 Word Pyramid



## 40 Double Cross

- |                 |                |
|-----------------|----------------|
| A. TONES        | M. APOTHECARY  |
| B. HECKLE       | N. NEFARIOUSLY |
| C. OLD DOMINION | O. DAFFODIL    |
| D. MALLEABLE    | P. TOPPLE      |
| E. ALL-WEATHER  | Q. HOARSE      |
| F. SEVEN        | R. EVERYTHING  |
| G. MATHEMATICS  | S. SNIVELY     |
| H. EDUCATION    | T. NOTATION    |
| I. DISCS        | U. ASSEMBLY    |
| J. UNTOWARD     | V. INDEFINITE  |
| K. SLYEST       | W. LOSING      |
| L. ASSOCIATES   |                |

We are by all odds the most persistently and obsessively social of all species, more dependent on each other than the famous social insects, and really, when you look at us, infinitely more imaginative and deft at social living.—(Lewis) Thomas, *(The) Medusa and the Snail*

## 14 Camera Cadabra

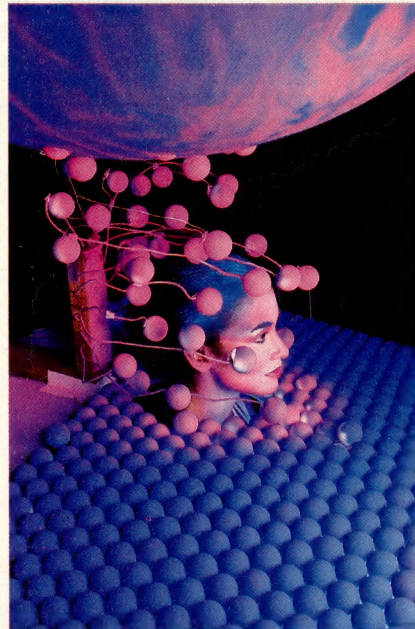
## Drink Up

The photo is an optical illusion based partly on the assumption that light normally falls on a subject from above. In fact, the photo as printed is upside down. Turning it over helps the viewer see that the glass is underwater. The splash of "water" is really a rising air bubble; the "air" in the glass is really water. What appears to be the top surface of the water is actually the undersurface.

To take this photo, Massey attached a clamp to the base of a martini glass, inverted it, and lowered it straight down into an aquarium filled with water. As he began to shoot, an assistant tilted the glass, releasing air bubbles (the "water" splash) and allowing water to begin filling the glass. To convince the eye of the illusion, the photo was lit from below—when inverted, as printed, it appears to be conventionally lit.

## Moon Maiden

The reality behind the illusion is seen below.



Copyright © by Elizabeth Hathon

## 44 Court Appearances

- |               |                         |
|---------------|-------------------------|
| 1. Baseball   | 9. Lacrosse             |
| 2. Croquet    | 10. Swimming            |
| 3. Ice hockey | 11. Horseshoes          |
| 4. Basketball | 12. Wrestling           |
| 5. Tennis     | 13. Soccer              |
| 6. Bowling    | 14. Badminton           |
| 7. Football   | 15. Shuffleboard        |
| 8. Hopscotch  | 16. Handball/paddleball |

## 43 Blank Verse

CRADLES FLARE CRIES CBS  
RECEIVE LAGERS TRISHA HOE  
ASOLVERNAMEDNICHOLASBROWN  
VERVE VIXENS DORSEY OILED  
ENNE SILENT HERESY OTTERS  
DTS PATENT MACAW BLEARY  
TOGO DIVA BEAU  
WASWEARINGATERRIBLEFROWN  
ADMITS CARMEN ALEUTS SAUL  
GAINS SIMONS TROVES LINDA  
OGLE BLEAK CHEVY FOREGO  
NEE FOIST ARTISE CRUISES  
SAIDTHISGENTATLOSS  
MANACLE SLAPS EBONY TEA  
UBOLTS FLUTE DEBUT DOWN  
LOTUS SILAGE HEAPED JANET  
LUCK SPRANG AUDREY MAITRE  
THIRTEENDOWNMAKESMECROSS  
IANS ADAM ALKY  
SKIPIT HELEN BRANDO DAS  
SPICED BLURTS BLUNTS CENT  
PINON BEANIE TAIPET MENSA  
ANDNINETYACROSSGETSMEDOWN  
TAO NEATEN SCATHE SEDATED  
ELF GOMER TRESS ADORERS

## Fake Advertisement

The Fake Ad announced in the Table of Contents was for "Custom Diary Co." and appeared on page 60. Photographs by Kathy Kesting.

## EUREKA

*Eureka is dedicated to those venturesome spirits who, never settling for a ready answer, have fought their way to a better, more elegant, or more complete solution than one previously given in the Answer Drawer.*

## ★ Mate Swapping (Wild Cards, May, page 60).

This laddergram variation challenged word buffs to make the transition from first to last names by changing pairs of adjacent letters at each step. Our solution to number 2, FRANZ to LISZT, took us six steps, but Len Elliott, of Auburn, WA, accomplished this feat in only four steps: FRANZ, frats, fasts, lists, LISZT. Kyle Corbin, of Raleigh, NC, shaved two words off our eight-step solution to number 4, DOCTOR to WATSON, with these six steps: DOCTOR, docke, wicker, walker, wanton, WATSON.

★ Win at Hearts (Games & Books, April, page 56). Jon and Jill Farber, of Jamaica, NY, have discovered an alternate way for North and South to make their slam (i.e., take the queen of spades and all the remaining hearts) in the following position even if they play spades before cashing the top hearts.

North		East	
♠	K Q 3	♠	8 7
♥	9 8 5	♥	6
♦	2	♦	2
♣	—	♣	10 9 7
West		South	
♠	—	♠	5
♥	Q 4 2	♥	A K J 7
♦	Q 8 5 4	♦	A 9
♣	—	♣	—

North begins by taking three spade tricks. South discards his two lowest hearts, while West must give up two diamonds and then a heart. (If West throws three diamonds instead, South will take the remaining tricks.)

Now North leads a heart. South wins, plays his other heart, and exits with his nine of diamonds. On the final trick West must lead a diamond to South's ace, which collects North's final heart.

## COMING DISTRACTIONS

## AUGUST

## Games Olympians Play

Olympic athletes play to win—even behind the stadium and in the locker room. Dick Schaap shows how Olympians give their all in Parcheesi, backgammon, Scrabble, electronic games, and other off-the-field playful pursuits.

Plus The Pencil-and-Paper Olympics, the Great American Car Quiz, color-coded wordplay, a magic carpet ride, and lots more.

On sale at newsstands  
June 12





# JVC PRESENTS THE PORTABLE HOME VIDEO THAT CAN DO MORE THAN JUST LEAVE HOME.

JVC® thinks that a full-feature home video system shouldn't have to stay at home. So we've developed a portable VCR with all the features of a full-sized deck.



The JVC portable video cassette recorder has a programmable tuner/timer which is cable-ready for 139 channels. It has an eight-hour recording

capacity, direct access infra-red remote control, shuttle search and reverse playback.

At just 5.3 pounds, the JVC video recorder is one of the lightest portable decks you can buy. So, even if you only plan to use it indoors for now, later on you'll be ready to take it anywhere.

Ask your dealer to show you the JVC portable video deck.

It's the lightweight home video that's very heavy on features.

# JVC®

**VIDSTAR™** VHS



# There's only one way to play it.

Wherever the music  
is hot, the taste is Kool.  
Because there's only one  
sensation this refreshing.



Kings, 17 mg. "tar", 1.1 mg. nicotine; Longs, 15 mg. "tar",  
1.0 mg. nicotine av. per cigarette, FTC Report Mar. '84.

Warning: The Surgeon General Has Determined  
That Cigarette Smoking Is Dangerous to Your Health.